

villages, ought to be carefully and correctly estimated. The result of enquiries instituted in different districts ought to be carefully compared, and incoherencies and differences explained. It is thus only that we can arrive at correct statistics regarding this great scourge, which, from the descriptions given, would, at its height, have borne no ill comparison to the great plague of London.

Various are the causes which are ascribed to have given origin to this epidemic,—want of drainage, exuberant jungle, accumulation of the filth of ages in cesspools, &c., come in for their share: nor does the railway, a novelty in this country, escape the odium of having brought the epidemic in its train. It would not be wide of the mark to admit that these causes might have contributed to accelerate the spread of the disease; and the railway might have obstructed the natural drainage of the country; but I am led to think, the real cause of the epidemic still lies undiscovered. It is erroneous to decide on the basis now set forth. Places similarly situated as respects the river and natural drainage fared far differently. At Kanchrapara the epidemic was violent; at Santipore it was scarcely felt. The same may be said of Beernugger and Ranaghat, which are within four miles distance of each other. So the real cause of the epidemic has, I think, yet to be discovered. From what I have personally observed, I have been struck at the number of undrained holes and cesspools in each village. The lower orders build their walls and floors with mud; and the brick used in the construction of the houses of the rich is made of clay, dug from neighbouring pools. The older and richer the village, the greater is the number of these undrained pools of water, breeding miasma and noxious effluvia. At Jagooly the natural drainage has been obstructed by the erection of bunds across the Sooty river, which runs south of the town. The imperial road also passes over this river; and no bridge is provided for the free passage of water. The series of tanks into which the bed of the Sooty has been thus converted is a fruitful source of malarie.

(Sd.) **RAM SHUNKEE SEIN,**
Deputy Magistrate.

Memorandum from **BABOO RAM SHUNKEE SEIN**, Deputy Magistrate,—(No. 596, dated Ranaghat, the 29th June 1869.)

FORWARDED to the magistrate of Nuddca, with reference to his No. 2061, dated 2nd June 1869.

From the Assistant Magistrate of Chocadangah, to the Magistrate of Nuddca,—(No. 282, dated the 25th June 1869.)

SIR,

WITH reference to your memorandum No. 2060, dated 2nd January 1869, on the subject of epidemic fever, the only villages in this sub-division in which the epidemic fever has prevailed are Natuda, Yoyrampore and Symydia.

The first has suffered continually since 1860, the two others since 1864; in these the disease is due to the dense jungle.

From **J. TWEEDIE**, Esq., Joint Magistrate, to the Magistrate of Nuddca,—(No. 263, dated Kishnaghar, the 25th June 1869.)

SIR,

YOUR No. 2057, dated 2nd June 1869.

I regret to say that I have found it impossible to collect, within a fortnight, a history of the epidemic fever for the past nine years.

2. I am doing all I can to collect some information on the subject, which is a most intricate one, and more suited for detailed investigation during a cold-weather tour, than to be reported on off hand.

3. I have been obliged to apply to the police, and cannot say precisely when my final report may be ready; but no time will be lost in transmitting to you the result of my enquiries.

Statement shewing the villages in the sudder sub-division where epidemic fever was prevalent from 1860.

| Names of thanahs. | Names of villages. | Date between which fever was prevalent. | REMARKS. |
|-------------------|--------------------|---|--|
| Châprah | Moharajpore | From 1860-61 to 1860 | No trustworthy information is to be obtained as to how many persons fell victims to the epidemic, and it seems better to give no figures, than figures which can at best represent guesses at the truth. |
| Kissengunge | Digumborpore | " " " 1863 | |
| | Ashwari | " 1863 " 1864 | |
| | Bahadoorpore | Ditto | |
| | Bhalooka | " 1865-66 | |
| | Bhandarcola | " 1863-64 | |
| | Bohirgachia | Ditto | |
| | Bramhonpara | " 1864-65 | |
| | Bramhunpoowaria | Ditto | |
| | Deypara | Ditto | |
| | Dhooboolia | " 1863-64 | |
| | Digunggor | " 1862-63 | |
| | Dagachia | Ditto | |
| | Gobrapota | " 1863-64 | |
| | Jatrapore | " 1866-69 | |
| | Joania | " 1865-66 | |
| | Joypara | " 1866-69 | |
| Kutwali | Kamarhati | " 1864-65 | |
| | Kishnaghur | " 1863-65 | |
| | Kamarpara | " 1863-64 | |
| | Khanpore | Ditto | |
| | Mayacole | Ditto | |
| | Nawapara | Ditto | |
| | Nobodwipa | Ditto | |
| | Naldoho | Ditto | |
| | Paninala | Ditto | |
| | Poccooria | " 1865-66 | |
| | Roccooupore | " 1863-64 | |
| | Roodropara | Ditto | |
| | Shadhonpara | Ditto | |
| | Shinghatee | Ditto | |
| | Shondanga | Ditto | |
| | Shorack | Ditto | |
| | Badhilligram | " 1860-65 | |
| Nakashipara | Baugoniah | Ditto | |
| | Miryipara | Ditto | |
| | Raripara | Ditto | |

Memorandum from J. TWEDIE, Esq., Magistrate of Kishnaghur,—(No. 274, dated Kishnaghur, the 1st July 1869.)

FORWARDED in answer to the magistrate's No. 2057, dated 2nd January 1869.

From the Deputy Magistrate of Bongong, to the Magistrate of Nuddea,—(No. 258, dated the 17th July 1869.)

With reference to your memorandum No. 2062, dated 2nd ultimo, on the subject of informations regarding epidemic fever, I have the honor to send herewith a tabular statement therein called for.

Bongong Sub-division.

| Year. | Names of villages. | Population. | Number of persons attacked. | Number died. | Duration of sickness. | Degree of the severity of the sickness. | Situation of village or probable cause of its insanitary condition. |
|---------|--------------------|-------------|-----------------------------|--------------|-----------------------|---|---|
| 1860-61 | Borumpore | 400 | 300 | 200 | About 3 years | Severe | On the side of a wheel. |
| " | Nishchindypore | 250 | 180 | 100 | " 2 " | Ditto | Jungly place. |
| " | Shimoolia | 500 | 375 | 300 | " 4 " | Ditto | Ditto. |
| " | Issapore | 500 | 150 | 92 | " 2 months | Ditto | On the side of a river. |
| " | Moheshpore | 3,000 | 300 | 200 | " 5 " | Ditto | Ditto of the river Bhoirub. |
| 1861-62 | Ranthaparn | 450 | 200 | 150 | " 1 year | Ditto | Ditto of a khal. |
| 1862-63 | Sosundanga | 400 | 200 | 130 | " 3 months | Ditto | Ditto of the Issamutty. |
| " | Puttehpore | 2,066 | 400 | 250 | " 8 " | Ditto | Ditto of a bawore. (sic) |
| 1863-64 | Monohurpore | 260 | 125 | 100 | " 2 " | Ditto | Ditto of a wheel. |
| " | Gobrapore | 1,000 | 315 | 115 | " 6 " | Ditto | Ditto of a bawore. |
| " | Kewiepara | 403 | 175 | 65 | " 7 " | Ditto | Ditto ditto. |
| " | Garrapotta | 1,473 | 438 | 144 | " 9 " | Ditto | Ditto ditto. |
| " | Komlapore | 1,093 | 333 | 111 | " 5 " | Ditto | " |
| " | Shoonderpore | 271 | 119 | 53 | " 4 " | Not severe | Ditto of a bawore. |
| " | Moheshpore | 2,800 | 1,000 | 250 | " 4 " | Severe | Ditto of the Bhoirub. |
| " | Poorunderpore | 450 | 150 | 75 | " 2 " | Ditto | Ditto ditto. |
| 1864-65 | Jhondanga | 298 | 82 | 50 | " 2 " | Not severe | Ditto of the Issamutty. |
| " | Parmadooleh | 499 | 180 | 79 | " 6 " | Ditto | Ditto ditto. |
| " | Korungo | 439 | 60 | 42 | " 5 " | Ditto | In the midst of a field. |
| " | Hurryathpore | 461 | 51 | 32 | " 5 " | Ditto | Ditto ditto. |
| " | Guetoli | 559 | 200 | 125 | " 5 " | Severe | Ditto ditto. |
| " | Kandhalla | 532 | 300 | 150 | " 5 " | Ditto | Ditto ditto. |
| 1865-66 | Shindrali | 1,155 | 165 | 71 | " 5 " | Not severe | On the side of a bawore. |
| " | Joka | 99 | 25 | 14 | " 3 " | Ditto | In the midst of a field. |
| " | Lowtara | 158 | 31 | 18 | " 3 " | Ditto | Ditto ditto. |
| " | Poorpara | 650 | 200 | 175 | " 1 year | Severe | On the side of a bawore. |
| " | Samunta | 1,500 | 400 | 150 | " 6 months | Ditto | Ditto of Kodla. (sic) |

| | | | | | | | | | |
|---------|-----------------|-----|-------|-----|-----|-----------|------------|-----|-----------------------------------|
| 1866-67 | Konnaers | ... | 350 | 50 | 40 | 1 1/2 | Not severe | ... | Ditto of a bawore. |
| " | Shoenderpore | ... | 250 | 50 | 25 | 1 | Ditto | ... | In the midst of a field. |
| " | Matteahars | ... | 325 | 100 | 60 | 1 | Severe | ... | Ditto ditto. |
| " | Hoodda | ... | 260 | 60 | 25 | 1 | Not severe | ... | On the side of a wheel. |
| " | Kooley | ... | 512 | 45 | 28 | 3 | Ditto | ... | Ditto of kodla. |
| " | Rughat | ... | 271 | 47 | 21 | 2 | Ditto | ... | Ditto ditto. |
| " | Ekaripore | ... | 560 | 200 | 80 | 3 | Severe | ... | Ditto of Futehpore bawore. |
| " | Hoodahseerapore | ... | 700 | 302 | 150 | 3 | Ditto | ... | In the midst of a field. |
| " | Molashpore | ... | 2,550 | 350 | 100 | 1 1/2 | Ditto | ... | On the side of the river Bhoirub. |
| 1867-68 | Amakala | ... | 58 | 37 | 25 | 1 | Ditto | ... | Ditto of river Jumna. |
| " | Barackpore | ... | 300 | 50 | 25 | 1 | Not severe | ... | Ditto of bawore. |
| " | Gopalnagar | ... | 2,000 | 500 | 300 | 2 | Ditto | ... | Ditto ditto. |
| " | Panchpotta | ... | 350 | 150 | 100 | 1 | Severe | ... | Ditto of the Issamutty. |
| " | Amdobe | ... | 602 | 205 | 109 | 1 year | Ditto | ... | Ditto of Betna. |
| " | Bansighatta | ... | 771 | 97 | 52 | 6 months | Ditto | ... | Ditto of kodla. |
| " | Nuckpore | ... | 885 | 105 | 40 | 5 | Not severe | ... | Ditto of a bawore. |
| " | Shamkoon | ... | 2,074 | 500 | 175 | 3 | Severe | ... | Ditto of the Issamutty. |
| 1868-69 | Panchitta | ... | 489 | 40 | 38 | 2 | Not severe | ... | Ditto of a bawore. |
| " | Asbaroo | ... | 560 | 45 | 39 | 2 | Ditto | ... | Ditto ditto. |
| " | Jhendanga | ... | 112 | 40 | 25 | 1 | Severe | ... | Ditto of the Issamutty. |
| " | Bajaekhanpore | ... | 931 | 208 | 61 | 3 | Not severe | ... | In the midst of a field. |
| " | Bagampore | ... | 1,028 | 250 | 38 | 1 | Ditto | ... | On the side of a bawore. |
| " | Malbaria | ... | 1,502 | 300 | 69 | 1 1/2 | Severe | ... | Ditto of the Issamutty. |
| " | Shookpookhurie | ... | 1,083 | 150 | 44 | 1/2 | Ditto | ... | In the midst of a field. |
| " | Poolianpore | ... | 254 | 50 | 28 | 1 week | Ditto | ... | On the side of the Issamutty. |
| " | Bolihuddrapore | ... | 250 | 100 | 26 | 3 | Ditto | ... | Ditto of a bawore. |
| " | Solanempore | ... | 340 | 90 | 32 | 1/2 month | Ditto | ... | Ditto ditto. |
| " | Shamkoond | ... | 1,950 | 100 | 47 | 1/2 | Ditto | ... | Ditto of the Issamutty. |
| " | Shatpotta | ... | 177 | 20 | 14 | 1 week | Ditto | ... | In the midst of a field. |

MOHEEMA CHUNDER PAL,

Deputy Magistrate.

BONGONG,

The 17th July 1869.

From J. WESTLAND, Esq., Officiating Magistrate of Jessore, to the Commissioner of the Presidency Division,—(No. 177G, dated Jessore, the 23rd November 1869.)

I HAVE the honor to forward the map of epidemic fever required by your No. 12, dated 26th May 1869. You will observe that it shews that the nature of the fever was simply that it extended all over the district, so that there is no occasion for me to submit a report as to any presumable local causes. There is fever every year, after the commencement of the cold season in this district, and it is really difficult to say that it tends towards certain localities, or seems affected by any causes that are common to the whole district. The outbreak of the cold season 1865-66 was of longer duration and more violent than in other years, and it is the only year during which any remarkable outbreak took place. Almost all the marks on the map refer to that outbreak, and there is little besides that outbreak to notice beyond a few isolated cases, such as Ghorcehpore last year.

In default of colors, the places are marked with a line and a number, which gives the year. Thus 5, means 1865, and 6, 1866.

The map will, I am afraid, tend but little to elucidate the history of epidemic fever; but the reason of this is, that the circumstances of the fever in this district afford very little ground for inferences as to particular causes or effects.

Statement of villages in the District of Jessore affected by the late epidemic fever of 1865-66.

| Pergunahs. | Villages. | Years. | Percentage mortalities. | REMARKS. |
|-----------------|-------------------|------------|-------------------------|----------|
| Mahomedshye ... | Romarbaugh | 1865-66... | 2½ | |
| | Jaradah | Ditto | 3 | |
| | Bliobanipore | Ditto | 2 | |
| | Hurishpore | Ditto | 52.78 | |
| | Hudapore | Ditto | 2 | |
| | Kholishakondee | Ditto | 3 | |
| | Bhooputtipore | Ditto | 3 | |
| | Hogasara | Ditto | 2 | |
| | Trinanees | Ditto | 2 | |
| | Kholbarria | Ditto | 2 | |
| | Rajnaghur | Ditto | 1 | |
| | Bolorampore | Ditto | 1 | |
| | Purahatti | Ditto | 2½ | |
| | Narainpore | Ditto | 1 | |
| | Hodaandulputta | Ditto | 1 | |
| | Hurinakoond | Ditto | 2 | |
| | Tulla | Ditto | ... | |
| | Fulsee | Ditto | ... | |
| | Jungleparra | Ditto | ... | |
| | Parbuttypore | Ditto | 1 | |
| | Baroda | Ditto | 2 | |
| | Kotubpore | Ditto | ... | |
| | Fulbarria | Ditto | 1 | |
| | Roopdoha | Ditto | 2 | |
| | Patooria | Ditto | 2 | |
| | Chandpore | Ditto | 2 | |
| | Baradee | Ditto | 2 | |
| | Khajora | Ditto | 2 | |
| | Jhunda | Ditto | 2 | |
| | Gobindpore | Ditto | 2 | |
| | Kallispore | Ditto | 2 | |
| | Karraparra | Ditto | 2 | |
| | Hamda | Ditto | 2 | |
| | Baroipara | Ditto | 2 | |
| | Landhia | Ditto | 2 | |
| | Chotolia | Ditto | 2 | |
| | Jadarapara | Ditto | 2 | |
| | Doorgapore | Ditto | 2 | |
| | Hoodabattia | Ditto | 2 | |
| | Bazrooknarainpore | Ditto | 2 | |
| | Gana | Ditto | 2 | |
| | Jalallpore | Ditto | 2 | |
| | Talsbur | Ditto | 2 | |
| | Lukhicoonda | Ditto | 2 | |
| | Bullorampore | Ditto | 2 | |
| | Dhoodshur | Ditto | 2 | |
| | Kotchandpore | Ditto | 2 | |
| | Solamanpore | Ditto | 2 | |
| | Bullabarria | Ditto | 2 | |
| | Paspattila | Ditto | 2 | |
| | Ballidanga | Ditto | 2 | |
| | Tilla | Ditto | 2 | |
| | Singee | Ditto | 2 | |
| | Mustafafor | Ditto | 2 | |
| | Tilcoopi | Ditto | 2 | |
| | Horgobindpore | Ditto | 2 | |
| | Kamulhut | Ditto | 2 | |
| | Nuldanga | Ditto | 2 | |

| Pergunnahs. | Villages. | Years. | Percentage mortalities. | REMARKS. |
|------------------------------|-----------------------|------------|-------------------------|----------|
| Mahomedshye. (Continued.) | Dhonashurgatti | 1865-68... | 2 | |
| | Jethur Bhabanipore... | Ditto | 2 | |
| | Kallichurnpote | Ditto | 2 | |
| | Lohajhanga | Ditto | 2 | |
| | Kanchunnagur | Ditto | 2 | |
| | Doorgapore | Ditto | 2 | |
| | Pabohatty | Ditto | 2 | |
| | Palami | Ditto | 2 | |
| | Fazilpore | Ditto | 2 | |
| | Foolia | Ditto | 2 | |
| | Dhoodshur | Ditto | 2 | |
| | Woomedpore | Ditto | 2 | |
| | Baroipara | Ditto | 2 | |
| | Salcoopa | Ditto | 2 | |
| | Hara | Ditto | 2 | |
| | Sreerampore | Ditto | 2 | |
| | Sreepore | Ditto | 2 | |
| | Borrisaut | Ditto | 2 | |
| | Nohatta | Ditto | 2 | |
| | Radhanughur | Ditto | 2 | |
| | Hazrapore | Ditto | 2 | |
| | Nareeshatty | Ditto | 2 | |
| | Ramnughur | Ditto | 2 | |
| | Doorgapore | Ditto | 2 | |
| Nuldee | Mogoora | Ditto | 1 | |
| | Pala | Ditto | 1 | |
| | Benodpore | Ditto | 1 | |
| | Mahomedpore | Ditto | 1 | |
| | Sotogutpore | Ditto | 1 | |
| | Amria | Ditto | 1 | |
| | Rajapore | Ditto | 1 | |
| | Nohatta | Ditto | 1 | |
| | Ponneshurpore | Ditto | 1 | |
| | Joyrampore | Ditto | 1 | |
| | Nalia | Ditto | 1 | |
| | Sayapore | Ditto | 1 | |
| | Baliadanga | Ditto | 1 | |
| | Nuldee | Ditto | 1 | |
| | Majpara | Ditto | 1 | |
| | Mogoora | Ditto | 1 | |
| | Sreehaut | Ditto | 2 | |
| | Digga | Ditto | 2 | |
| | Boicantpore | Ditto | 2 | |
| | Baribhanga | Ditto | 2 | |
| | Sahabazpore | Ditto | 2 | |
| | Dhopadoba | Ditto | 2 | |
| | Chorkalee | Ditto | 2 | |
| | Moochira | Ditto | 2 | |
| | Ramnathpur | Ditto | 2 | |
| | Lohagurrah | Ditto | 2 | |
| | Arera | Ditto | 2 | |
| | Lukhipassa | Ditto | 2 | |
| | Paneeel | Ditto | 2 | |
| | Chatulhattipara | Ditto | 2 | |
| | Noapara | Ditto | 2 | |
| | Panchoria | Ditto | 2 | |
| | Bhawkhally | Ditto | 2 | |
| | Ghorakhally | Ditto | 2 | |
| | Nurail | Ditto | 2 | |
| | Rozkhally | Ditto | 2 | |
| | Shakhatee | Ditto | 2 | |

| Pergunnahs. | Villages. | Year. | Percentage mortalities. | REMARKS. |
|----------------------|---------------|------------|-------------------------|----------|
| Nuldee. (Continued.) | Dahapara | 1865-66... | 2 | |
| | Gubra | Ditto | 2 | |
| | Dhoriapur | Ditto | 2 | |
| | Barpara | Ditto | 2 | |
| | Diggoolia | Ditto | 2 | |
| | Churkhalee | Ditto | 2 | |
| | Burrokalia | Ditto | 2 | |
| | Manikoolia | Ditto | 2 | |
| | Madbulipur | Ditto | 2 | |
| | Ranagauth | Ditto | 2 | |
| | Dhoolgram | Ditto | 2 | |
| Bessahpur | Shidhipara | Ditto | 2 | |
| | Sheetkhalee | Ditto | 2 | |
| | Boitolla | Ditto | 2 | |
| | Katoolia | Ditto | 2 | |
| | Bandanga | Ditto | 2 | |
| | Nareecolharia | Ditto | 2 | |
| | Tolcoopee | Ditto | 2 | |
| | Khajoora | Ditto | 2 | |
| | Khanpur | Ditto | 2 | |
| | Dohakhoola | Ditto | 2 | |
| | Sooltannagur | Ditto | 2 | |
| | Jaundia | Ditto | 2 | |
| | Hogladanga | Ditto | 2 | |
| | Moothorapur | Ditto | 2 | |
| | Gooroolia | Ditto | 2 | |
| Sahoojial | Kologpara | Ditto | 2 | |
| | Kasthanga | Ditto | 2 | |
| | Samnugur | Ditto | 2 | |
| | Chowgatchee | Ditto | 2 | |
| | Jamria | Ditto | 2 | |
| | Monmothopur | Ditto | 2 | |
| | Majulee | Ditto | 25 | |
| | Chandpur | Ditto | 25 | |
| | Digulshinga | Ditto | 25 | |
| | Koirapara | Ditto | 25 | |
| | Pitumburpur | Ditto | 25 | |
| | Janghirpur | Ditto | 25 | |
| | Fotapur | Ditto | 25 | |
| | Boirah | Ditto | 25 | |
| | Palna | Ditto | 25 | |
| | Monohurpur | Ditto | 17 | |
| | Khoartolla | Ditto | 17 | |
| | Puratonkosbah | Ditto | 68 | |
| | Sakhatty | Ditto | 50 | |
| | Barandee | Ditto | 50 | |
| | Sultanpur | Ditto | 50 | |
| | Jhumghumpore | Ditto | 50 | |
| | Neelgunge | Ditto | 50 | |
| | Khorkes | Ditto | 50 | |
| | Bangchur | Ditto | 50 | |
| | Sunkurpur | Ditto | 50 | |
| | Baliadangah | Ditto | 50 | |
| | Moralee | Ditto | 50 | |
| | Ashanugur | Ditto | 50 | |
| | Ramnugur | Ditto | 15 | |
| | Battoria | Ditto | 20 | |
| Syedpur | Aprah | Ditto | 57 | |
| | Singah | Ditto | 5 | |

| Pergunnahs. | Villages. | Years. | Percentage mortalities. | REMARKS. |
|-------------------------|---------------|------------|-------------------------|----------|
| Syedpore.--(Continued.) | Nurrendropur | 1865-66... | 5 | |
| | Mohakal | Ditto ... | 5 | |
| | Jozpore | Ditto ... | 2 | |
| | Machua | Ditto ... | 2 | |
| | Khanpur | Ditto ... | 80 | |
| | Fedipur | Ditto ... | 5 | |
| | Majetpur | Ditto ... | 5 | |
| | Jumlah | Ditto ... | 5 | |
| | Tagoria | Ditto ... | 5 | |
| | Kalligunge | Ditto ... | 5 | |
| | Keshubpore | Ditto ... | 5 | |
| | Bamundanga | Ditto ... | 5 | |
| | Moolgram | Ditto ... | 5 | |
| | Sadbaria | Ditto ... | 5 | |
| | Trimohinee | Ditto ... | 5 | |
| | Jhappa | Ditto ... | 5 | |
| | Bankra | Ditto ... | 5 | |
| | Bullha | Ditto ... | 5 | |
| | Gudokhalee | Ditto ... | 5 | |
| | Brendah | Ditto ... | 5 | |
| Ramebanderpore | Ghossnagger | Ditto ... | 2 | |
| | Nutla | Ditto ... | 2 | |
| | Mohindee | Ditto ... | 2 | |
| | Baroohath | Ditto ... | 2 | |
| | Atarooie | Ditto ... | 2 | |
| | Qalla | Ditto ... | 2 | |
| | Dhonganoria | Ditto ... | 2 | |
| | Arooshoghur | Ditto ... | 2 | |
| | Roypore | Ditto ... | 2 | |
| | Kassimnagar | Ditto ... | 2 | |
| Shahoosh | Aladeepur | Ditto ... | 2 | |
| | Kazeepatta | Ditto ... | 2 | |
| | Rojukpur | Ditto ... | 2 | |
| | Kopilmoni | Ditto ... | 2 | |
| | Nochirpore | Ditto ... | 2 | |
| | Sreerampore | Ditto ... | 2 | |
| | Pattimaree | Ditto ... | 2 | |
| | Huridashkatti | Ditto ... | 2 | |
| | Wootoodanga | Ditto ... | 2 | |
| | Shonatonkath | Ditto ... | 2 | |
| | Kaistpara | Ditto ... | 2 | |
| | Koshkholla | Ditto ... | 2 | |
| | Gobindpore | Ditto ... | 2 | |
| | Bhankar | Ditto ... | 2 | |
| | Porakath | Ditto ... | 3 | |
| | Bandeekatti | Ditto ... | 2 | |
| | Tantolltolla | Ditto ... | 2 | |
| | Modukholee | Ditto ... | 2 | |
| | Diggle | Ditto ... | 2 | |
| | Talikhallee | Ditto ... | 2 | |
| | Foolbari | Ditto ... | 2 | |
| | Talikhallee | Ditto ... | 2 | |
| | Taltollah | Ditto ... | 2 | |
| | Hatalbonia | Ditto ... | 2 | |
| | Bajapore | Ditto ... | 2 | |
| | Khalboonia | Ditto ... | 2 | |
| | Hooglabonia | Ditto ... | 2 | |
| | Berat | Ditto ... | 2 | |
| | Fooltollah | Ditto ... | 2 | |
| | Foolbaria | Ditto ... | 2 | |
| | Jeypore | Ditto ... | 2 | |

| Pergunnahs. | Villages. | Year. | Percentage mortalities. | REMARKS. |
|------------------------|---------------|------------|-------------------------|----------|
| Shaboosh.—(Continued.) | Baliadanga | 1865-66... | 2 | |
| | Karia | Ditto | 2 | |
| | Narainkhalles | Ditto | 2 | |
| Molooyee | Chandkhalles | Ditto | 2 | |
| | Paikgatoha | Ditto | 2 | |
| | Soladongha | Ditto | 2 | |
| | Kamurkhola | Ditto | 2 | |
| | Tildongah | Ditto | 2 | |
| Selimabad | Kallygunge | Ditto | 2 | |
| | Madhubkuth | Ditto | 2 | |
| | Horakhallee | Ditto | 2 | |
| Chagontes | Noapara | Ditto | 2½ | |
| | Dhopsadee | Ditto | 2½ | |
| | Taitollah | Ditto | 2½ | |
| | Wooturdee | Ditto | 2½ | |
| | Rajghat | Ditto | 2½ | |
| | Dhokindhee | Ditto | 2½ | |
| | Tikee | Ditto | 2½ | |
| | Pooltollah | Ditto | 2½ | |
| | Alka | Ditto | 2½ | |
| | Damodhur | Ditto | 2½ | |
| | Masali | Ditto | 2½ | |
| | Atra | Ditto | 2½ | |
| | Gillatollah | Ditto | 2½ | |
| | Digoolia | Ditto | 2½ | |
| | Mohashurpore | Ditto | 2½ | |
| | Dowlutpore | Ditto | 2½ | |
| | Pubnapore | Ditto | 2½ | |
| | Khalishpore | Ditto | 2½ | |
| | Khoolna | Ditto | 2½ | |
| | Jamria | Ditto | 2½ | |
| | Darootia | Ditto | 2½ | |
| | Roodhagurra | Ditto | 2½ | |
| | Hazidanga | Ditto | 2½ | |
| | Gulna | Ditto | 2½ | |
| | Notoon | Ditto | 2 | |
| | Domoria | Ditto | 17 | |
| | Bandurpara | Ditto | 2 | |
| | Dhokinmokal | Ditto | 2 | |
| | Bojitpore | Ditto | 2 | |
| | Bamundia | Ditto | 2 | |
| | Gonrikhona | Ditto | 2 | |
| | Narainpore | Ditto | 2 | |
| | Hudd | Ditto | 25 | |
| | Madardanga | Ditto | 25 | |
| | Panjea | Ditto | 25 | |
| Ramohanderpore | Sreerampore | Ditto | 2 | |
| | Shahupore | Ditto | 2 | |
| | Shikurpore | Ditto | 2 | |
| | Ghopsbona | Ditto | 2 | |
| | Moonoobraghur | Ditto | 2 | |
| | Meherpore | Ditto | 2 | |
| | Shogurdaree | Ditto | 2 | |
| | Bagga | Ditto | 2 | |
| | Dadpore | Ditto | 2 | |
| | Noakati | Ditto | 2 | |
| | Kaimkolla | Ditto | 2 | |
| | Haringhope | Ditto | 2 | |
| | Tatollia | Ditto | 2 | |
| | Dhobaria | Ditto | 2 | |

| Pergunnahs. | Villages. | Year. | Percentage mortalities. | REMARKS. |
|-----------------------------------|-------------------|------------|-------------------------|----------|
| Ramebanderpore { —(Continued.) | Mirjapore ... | 1865-66... | 2 | |
| | Tolla ... | Ditto ... | 2 | |
| | Catchoa ... | Ditto ... | 2½ | |
| | Bishkallee ... | Ditto ... | 2½ | |
| | Sangdia ... | Ditto ... | 2½ | |
| Selimabad ... | Ramnathpore ... | Ditto ... | 2½ | |
| | Morrellgunge ... | Ditto ... | 2½ | |
| | Saralia ... | Ditto ... | 2½ | |
| | Badartolla ... | Ditto ... | 2½ | |
| | Naihalpore ... | Ditto ... | 2½ | |
| | Soradpore ... | Ditto ... | 2½ | |
| | Gellatolla ... | Ditto ... | 2½ | |
| | Bahirdia ... | Ditto ... | 2½ | |
| | Samantoshana ... | Ditto ... | 2½ | |
| | Deapara ... | Ditto ... | 2½ | |
| | Rohimabad ... | Ditto ... | 2½ | |
| | Gomalee ... | Ditto ... | 2½ | |
| | Karapara ... | Ditto ... | 2½ | |
| Hoogla and Cheroolia. | Bachbaria ... | Ditto ... | 2½ | |
| | Fottapore ... | Ditto ... | 2½ | |
| | Boictpore ... | Ditto ... | 2½ | |
| | Bistpore ... | Ditto ... | 2½ | |
| | Baghaut ... | Ditto ... | 2½ | |
| | Hurrikhallee ... | Ditto ... | 2½ | |
| | Gallapara ... | Ditto ... | 2½ | |
| | Panighat ... | Ditto ... | 2½ | |
| | Chapatolla ... | Ditto ... | 2½ | |
| | Jatrapore ... | Ditto ... | 2½ | |
| | Moolghur ... | Ditto ... | 2½ | |
| | Kohabhair ... | Ditto ... | 2½ | |
| | Astal ... | Ditto ... | 2½ | |
| | Garadhair ... | Ditto ... | 2½ | |
| | Woodoypere ... | Ditto ... | 2½ | |
| Sooltanpore ... | Korfa ... | Ditto ... | 2½ | |
| | Dewtodanga ... | Ditto ... | 2½ | |
| | Deoroolia ... | Ditto ... | 2½ | |
| | Baroipara ... | Ditto ... | 2½ | |
| | Gangnee ... | Ditto ... | 2½ | |
| | Patarkhool ... | Ditto ... | 2½ | |
| | Khoomarool ... | Ditto ... | 2½ | |
| | Okonakhola ... | Ditto ... | 2½ | |
| | Patoo'a ... | Ditto ... | 2½ | |
| | Koshna ... | Ditto ... | 2½ | |
| | Pattiladanga ... | Ditto ... | 2½ | |
| | Patilahanga ... | Ditto ... | 2½ | |
| | Korbaria ... | Ditto ... | 2½ | |
| | Gopalnugur ... | Ditto ... | 2½ | |
| | Sreelutolla ... | Ditto ... | 2½ | |
| Belfoolia ... | Chandneemobut ... | Ditto ... | 2½ | |
| | Senhatti ... | Ditto ... | 2½ | |
| | Panighaute ... | Ditto ... | 2½ | |
| | Digghia ... | Ditto ... | 2½ | |
| | Baranehpore ... | Ditto ... | 2½ | |
| | Noyebatti ... | Ditto ... | 2½ | |
| | Masargath ... | Ditto ... | 2½ | |
| | Doomra ... | Ditto ... | 2½ | |
| | Ambaria ... | Ditto ... | 2½ | |
| | Gaza ... | Ditto ... | 2½ | |
| | Ghosegatti ... | Ditto ... | 2½ | |

J. WESTLAND,
Officiating Magistrate.

Report of a Tour of Inspection on the Soane Canal Works by the Chief Engineer of Irrigation.

From COLONEL F. H. RUNDALL, R.E., Joint-Secretary to the Government of Bengal, in the Public Works Department, Irrigation Branch, to the Secretary to the Government of India, in the Public Works Department,—(No. 821, dated 14th February 1870.)

I AM directed to forward the accompanying memorandum by the chief engineer of Irrigation, detailing the result of his inspection of the works which are being carried on in connection with the Soane canal project.

The Lieutenant-Governor trusts the Government of India will agree with him in considering that the progress which has been made during the past twelve months is satisfactory, and creditable alike to the superintending engineer and to all the officers under his orders.

Memorandum by COLONEL F. H. RUNDALL, R.E., Chief Engineer, Bengal, Irrigation Department.

On the 14th January I reached Arrah, the present head-quarters of the superintending engineer, Soane circle, and on the 18th I started with him along the line of the Arrah canal, the whole length of which has now been marked out from the point where it leaves the western main canal to the junction with the Ganges. For the first 24 miles of the distance, plans and estimates have been already submitted to this Government by the superintending engineer; but, under the recent orders of the Government of India, these plans have not been forwarded, pending the completion of the surveys and estimates for the whole line. The tract of country included between the river Soane and the drainage stream called the Kuo, comprising an area of 360 square miles, has been minutely cross-levelled, with sections taken at a mile apart, so that the features of the country have been perfectly mapped, and the direction of the main line, as well as that of the principal distributaries, is at once apparent.

2. I rode along the whole length of the line, 24 miles of which, as above observed, have been estimated for in detail, and the surveys of the remainder are in course of preparation.

3. On arrival at Dehree I proceeded to inspect the work, which has been carried out there thus far—the earth-work for the tramway from the quarries to the river has been completed, with the exception of the top dressing. The cover stones have yet to be laid on the culverts.

It has been possible to collect only about 6,000 sleepers at present for the tramway, but the superintending engineer expects to have all the rest supplied during the present season.

Thirteen bungalows and one office have been finished and are occupied, and 12 more are in course of erection.

Lines for the accommodation of 8,000 coolies have been completed, and for 2,000 more are in course of construction.

Nine blocks of buildings for native clerks, &c., have been finished and are occupied.

A large quantity of the machinery and stores sent out from England have been conveyed to Dehree. Very good arrangements have been made by the superintending engineer for this rather difficult operation, by engagements entered into with an influential contractor for the conveyance by country carts of all such machinery as can be possibly stowed on them, while special carts have been built at the workshops for the engines and other heavy machinery, which, with very few exceptions, have been delivered without accident,—a subject for congratulation, considering the imperfect roads which exist in Shahabad.

One shed composed of angle-iron uprights, with stone walls and corrugated zinc roof, has been hastily run up for present purposes as a workshop, in which a few of the machines have been put together and the most pressing work has been turned out. Temporary sheds have likewise been erected for the stowage of the stores and materials which are daily arriving; and, as it was necessary to ensure the safe custody of the timber and other stores which are not placed in the sheds, an enclosure wall of dry rubble-stone has been built up round the space enclosed for the workshops and stores.

4. The plans for the permanent workshops had been drawn out before my arrival, and after examining them I directed the estimates to be prepared and submitted without delay. It is most important that these buildings should be constructed as soon as possible, for the heat at Dehree is so excessive, that it is impossible for artificers to work unless thoroughly sheltered; while the valuable machinery would be perfectly ruined, unless protected from the clouds of dust which envelop the place during the time that the westerly winds prevail. About 550 logs of sal have been procured, at very reasonable prices, from the timber marts on the Ganges for constructing the frames of the stone waggons, the iron-work of which has all arrived. The operations on the Soane forests have been carried on satisfactorily as far as the felling of the timber is concerned, though difficulty has been experienced in its removal and conveyance to Dehree.

5. *Abutment.*—The foundation blocks for the lower retaining walls of the under sluices have been built, and operations to sink them commenced by means of Pourcares' excavator. The action of this tool was most satisfactory, and it is so simple that, though the coolies employed upon it were quite inexperienced, yet in half an hour the gangs who were sinking the eight blocks, which were being experimented upon, worked at the rate of one lift per minute, and

the blocks sunk from 9 to 10 inches per hour. The mortar with which the blocks had been built, however, was inferior; and as one of them cracked badly, it was thought better to stop the sinking and remove the injured block at once. The lime which had been used was that obtained from the quarry at Murgohi, in which there are many varieties of limestone. I was not satisfied with the quality of the lime, and directed its discontinuance for all work in the river bed, as the "kunkur," or nodular limestone, which is procurable in sufficient quantities, possesses all the properties of hydraulic mortar, and is the best that can be used. The blocks were built of rubble-stone, and the curbs are made of bamboos, so fitted together as to make a very stiff frame. In order to lessen the difficulty of laying the concrete flooring 4 feet below the surface of the water in the river, the superintending engineer has proposed to sink masonry blocks under the whole floor; and, by thus dividing the spaces, the setting of the concrete will proceed more surely and effectively. The works which it is expected will be carried out this season, are the foundation and flooring to the under sluices, the abutments, the head sluices to the western main canal, and the locks on both flanks; also 800 to 700 feet in length of the foundation of the anicut itself. A large quantity of materials, both stone and lime, has been prepared and stacked. The excavations for the head sluices and locks have been taken out to within 6 feet of floor-level, and the masonry, it is expected, will be commenced in another month.

6. *Stone Quarries.*—A good commencement has been made in opening the stone quarries at Dhodand, along a face measuring nearly half a mile in length. About 4,00,000 cubic feet of stone have been quarried and stacked, and a gang of 600 men was at work on the day that I visited the quarries, but there had been an unsuccessful strike amongst the laborers for higher wages shortly before. On the right bank, at Baroon, the excavation for the lock and anicut abutment had made good progress, and large quantities of limestone and firewood had been collected, and the manufacture of bricks also was in progress.

7. At Baroon two small bungalows for assistants had been built, and a third bungalow for the executive engineer was in course of erection.

8. The total number of laborers employed on the works connected with the anicut was about 8,500.

9. *Canals.*—The eastern main canal has been commenced almost throughout the whole eight miles from the head to the Poon-poon. It had been set out for a width of 60 feet at base before the orders of the Government of India limiting the width to 50 feet had been communicated; but as the nature of the soil will admit of slopes of $1\frac{1}{2}$ to 1, the actual sectional area of excavation will be about the same as a width of 60 feet at base with side slopes of 2 to 1. A very large quantity of work has been done, and there seems every reason to expect that the excavation of the eight miles will be completed during the present season, with the exception of the deep cutting near the head. The refusal of the Government of India to sanction at present the head sluices and the bridge for the Trunk Road will, however, prevent the canal being of use as early as it might otherwise be. About 2,500 people were employed on this canal. I visited the site of the Poon-poon aqueduct. A set of borings had been taken, and a section drawn shewing the different strata of soil met with in the line of the aqueduct.

10. On the western main canal, with the exception of three miles situated between the 9th and 12th mile, ground has been broken along the whole twenty-three miles between Dehree and the Trunk Road crossing beyond Sasseram. About one-third of the work in the deep excavation at the head has been finished, and the last ten miles are in a very forward state. Very little, however, has been done as yet towards collecting material for the syphons and other masonry works. The canal here has likewise been laid out for a 60 feet base, which is exactly one-third of the full ultimate width; and, as so much had been done, and by the reduction in the slopes the sectional area would be nearly the same, I instructed the superintending engineer to adhere to that width. The progress made on the earthwork of this canal is very satisfactory; and, if more force could be brought to bear on the deep excavations at the head, I think it by no means improbable that, by the time the freiges of 1871 arrive, the works should be sufficiently advanced to admit of 4 feet of water being let into the canal. There was a force of 4,500 people employed upon it. Thus from the Poon-poon to Sasseram, a distance of thirty miles measured along the two canals, there are nearly 11,000 men in all employed.

11. The rates at which the work thus far has been executed are somewhat less than those allowed for the earthwork; but, on going carefully into the data, the rates allowed for the masonry are insufficient and will have to be raised. The total sum sanctioned for the head works will, as far as I can see, be sufficient, but the cost of the individual works will be somewhat different. That of the anicut will be less, while that of the sluices and the locks will be greater.

12. Besides the works above detailed, the whole length of the Arrah canal, sixty miles, and fifty miles more of the western main canal, have been staked out, as well as forty miles of the branch canal to Patna.

13. Seeing that nearly the whole staff has had to be collected; their office establishments organized; shelter of which there was literally next to nothing previously available, provided; and a season of extraordinary heat, aggravated by great scarcity to contend with, I consider the progress which has been made during the last twelve months exceedingly creditable to the superintending engineer and all the executive officers under his orders.

From COLONEL J. C. ANDERSON, R.E., Officiating Deputy Secretary to the Government of India, in the Public Works Department, to the Joint-Secretary to the Government of Bengal, in the Public Works Department, Irrigation Branch,—(No. 103, dated the 24th February 1870.)

I am directed to acknowledge receipt of your letter No. 821, dated the 14th instant, submitting an inspection report, by chief engineer, of the works under construction in connection with the Soane Canal Project, and in reply to state that the Governor General in Council concurs with his Honor the Lieutenant-Governor in considering that the progress reported is highly satisfactory, and reflects credit on all the officers concerned.

Abstract of the Results of the Hourly Meteorological Observations taken at the Surveyor-General's Office, Calcutta, in the month of January 1870.

LATITUDE 22° 33' 1" North, Longitude 88° 20' 34" East. Height of the Cistern of the Standard Barometer above the Sea Level, 18.11 feet.

MONTHLY RESULTS.

| | Inches. |
|--|---------|
| Mean height of the Barometer for the month | 29.960 |
| Max. height of the Barometer occurred at 10 A.M. on the 25th | 30.127 |
| Min. height of the Barometer occurred at 4 P.M. on the 18th | 29.808 |
| Extreme range of the Barometer during the month | 0.319 |
| Mean of the daily Max. Pressures | 30.041 |
| Ditto ditto Min. ditto | 29.904 |
| Mean daily range of the Barometer during the month | 0.187 |

| | ° |
|--|------|
| Mean Dry Bulb Thermometer for the month | 87.9 |
| Max. Temperature occurred at 3 P.M. on the 19th | 89.2 |
| Min. Temperature occurred at 7 A.M. on the 10th | 55.4 |
| Extreme range of the Temperature during the month | 27.8 |
| Mean of the daily Max. Temperature | 77.9 |
| Ditto ditto Min. ditto | 59.8 |
| Mean daily range of the Temperature during the month | 18.1 |

| | |
|---|------|
| Mean Wet Bulb Thermometer for the month | 60.6 |
| Mean Dry Bulb Thermometer above Mean Wet Bulb Thermometer | 7.3 |
| Computed Mean Dew-point for the month | 54.8 |
| Mean Dry Bulb Thermometer above computed mean Dew-point | 13.1 |

| | Inches. |
|--|---------|
| Mean Elastic force of Vapour for the month | 0.440 |

| | Troy grain. |
|--|-------------|
| Mean Weight of Vapour for the month | 4.85 |
| Additional Weight of Vapour required for complete saturation | 2.66 |
| Mean degree of humidity for the month, complete saturation being unity | 0.65 |

| | |
|--|-------|
| Mean Max. Solar Radiation Thermometer for the month... | 116.4 |
|--|-------|

| | Inches. |
|---|-----------------------|
| Rained four days,—Max. fall of rain during 24 hours | 0.48 |
| Total amount of rain during the month | 0.77 |
| Total amount of rain indicated by the gauge attached to the Anemometer during the month | 0.65 |
| Prevailing direction of the Wind | W N W, N N W & N N E. |

GOPKENDATH SEN,

In charge of the Observatory.

The 26th February 1870.

Results of the Meteorological Observations taken at the Surveyor-General's Office, Calcutta, from 22nd to 28th February 1870.

| Month. | Date. | Mean reduced Barometet. | THERMOMETER. | | Max. Solar radiation, Thermometer. | Mean Dry Bulb. | Mean Wet Bulb. | Computed Mean Dew-point. | Mean Degree of Humidity. | Wind. | | | Rain. | GENERAL REMARKS. |
|--------|-------|-------------------------|------------------|-----------------|------------------------------------|----------------|----------------|--------------------------|--------------------------|-----------------------|----------------|-----------------|-------|---|
| | | | Highest Reading. | Lowest Reading. | | | | | | Prevailing direction. | Max. pressure. | Daily velocity. | | |
| Feb. | 22nd | 29.988 | 84.3 | 69.8 | 131.4 | 73.4 | 64.1 | 67.1 | 0.60 | SW & SSW | ... | 97.0 | ... | Clear. |
| | 23rd | 30.013 | 86.6 | 64.0 | 121.0 | 74.6 | 66.8 | 60.8 | .63 | SSW | ... | 96.8 | ... | Clear. Slightly foggy from 6 to 7 A.M. |
| | 24th | 29.987 | 87.8 | 63.0 | 119.3 | 75.7 | 65.2 | 57.8 | .58 | SSW & WNW | ... | 99.1 | ... | Clear. Slightly foggy from 6 to 10 P.M. |
| | 25th | .985 | 87.0 | 69.5 | 125.3 | 76.2 | 65.4 | 67.8 | .55 | WSW, SSW & S | ... | 98.0 | ... | Clear & cirrocumuli. |
| | 26th | .985 | 86.3 | 71.0 | 122.2 | 77.7 | 67.9 | 61.0 | .58 | SW & S by E | ... | 94.5 | ... | Stratoni & cirrocumuli. |
| | 27th | .983 | 88.2 | 72.0 | 122.0 | 78.1 | 66.6 | 63.4 | .62 | W by S & SSW | ... | 96.3 | ... | Stratoni, cirri & clear. |
| | 28th | .986 | 87.5 | 68.8 | 124.0 | 76.6 | 67.5 | 61.1 | .50 | SSW & WNW | ... | 144.4 | ... | Clear. Slightly foggy at 8 & 9 P.M. |

The mean Barometer, as likewise the Dry and Wet Bulb Thermometer means, are derived from the twenty-four hourly observations made during the day.

The Dew-point is computed with the Greenwich constants.—The figures in column ten represent the humidity of the air, the complete saturation of which being taken at unity.—The receiver of the lower rain gauge is 14 feet, and that of the Anemometer 70 feet 10 inches above the level of the ground.—The velocity of wind, as indicated by Robinson's Anemometer, is registered from noon to noon.

| | | |
|---|---------------------|---------|
| The extreme variation of temperature during the past seven days | ... | 25.1 |
| The max. temperature during the past seven days | ... | 86.2 |
| The max. temperature during the corresponding period of the past year | ... | 91.5 |
| The mean humidity during the past seven days | ... | 0.59 |
| The mean humidity during the corresponding period of the past year | ... | 0.64 |
| | | inches. |
| The total fall of rain from 22nd to 28th | by lower rain gauge | Nil |
| | by Anemometer gauge | Nil |
| Ditto ditto, average of sixteen previous years | ... | 0.14 |
| Ditto between the 1st January and the 28th ultimo | ... | 0.77 |
| Ditto ditto ditto, average of 16 years | ... | 1.34 |

The 1st March 1870.

GOVERNMENT SEN.
In charge of the Observatory.

Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

| District. | STATIONS. | to from 7th 13th Feb. 1870. | to from 14th 20th Feb. 1870. | RAIN FROM 1ST JANUARY 1870. | | REMARKS. |
|--------------------|-------------------------------|--------------------------------------|---------------------------------------|-----------------------------|-----------------|-----------------------------------|
| | | | | Rain. | Up to date. | |
| | | Inch. | Inch. | Inch. | | |
| SOUTH- WESTERN. | Poorca | Nil | Not received | Nil | 18th Feb. 1870. | |
| | False Point | Not received | ditto | ditto | 18th Feb. 1870. | |
| | Cuttack { Telegraph Office | Nil | Nil | 1.00 | 20th Feb. 1870. | |
| | Jail | ditto | ditto | 1.05 | ditto. | |
| | Bambulpore | ditto | Not received | 5.30 | 13th Feb. 1870. | |
| SOUTH- WESTERN. | Balaasore | ditto | Nil | 1.18 | 20th Feb. 1870. | |
| | Midnapore | Nil | Nil | 0.30 | 20th Feb. 1870. | |
| | Baeracora | ditto | ditto | 0.25 | ditto. | |
| | Chyebassa | ditto | ditto | 1.50 | ditto. | |
| | Paralia | 0.35 | ditto | 1.22 | ditto. | |
| SOUTH- WESTERN. | Bardwan | Nil | ditto | 0.20 | ditto. | |
| | Raneegunge | ditto | ditto | 0.15 | ditto. | |
| | Source | Not received | Not received | ..... | ..... |  |
| | Deoghar | Nil | Nil | 0.40 | 20th Feb. 1870. | |
| | Burhee | Not received | Not received | 0.45 | 6th Feb. 1870. | Not received 2nd to 16th Jan. |
| SOUTH- WESTERN. | Bazarasbaugh | 0.10 | ditto | 0.28 | 13th Feb. 1870. | |
| | Saugor Island | Nil | Nil | Nil | 20th Feb. 1870. | |
| | Contai | Not received | Not received | ditto | 23rd Jan. 1870. | |
| | Calcutta | Nil | Nil | 0.77 | 20th Feb. 1870. | |
| | Howrah | ditto | ditto | 1.42 | ditto | |
| SOUTH- WESTERN. | Mooghly { Jail | ditto | ditto | 1.00 | ditto | |
| | College | Not received | Not received | ..... | ..... |  |
| | Jessore | Nil | Nil | 0.20 | 20th Feb. 1870. | |
| | Berhampore | ditto | Not received | Nil | 13th Feb. 1870. | |
| | Furrampore | Not received | Nil | ditto | 20th Feb. 1870. | Not received 7th to 13th Feb. |
| SOUTH- WESTERN. | Barrasul | Nil | Not received | ditto | 13th Feb. 1870. | |
| | Kishinipur | ditto | ditto | 0.18 | ditto. | Not received 1st to 16th Jan. |
| | Raughat | ditto | ditto | Nil | ditto. | Not received 1st to 5th Feb. |
| | Bongong | ditto | ditto | 0.30 | ditto. | Not received 1st to 9th Jan. |
| | Meharpore | ditto | ditto | Nil | ditto. | Not received 1st Jan. to 6th Feb. |
| SOUTH- WESTERN. | Choudangah | ditto | ditto | ditto | ditto | Not received 1st Jan. to 6th Feb. |
| | Bhangulpore | Nil | Nil | 0.50 | 20th Feb. 1870. | Not received 24th to 30th Jan. |
| | Monghyr | ditto | ditto | 0.15 | ditto. | |
| | Patna | 0.03 | ditto | 0.04 | ditto. | |
| | Arrah | Nil | ditto | Nil | ditto. | |
| SOUTH- WESTERN. | Buxar | 0.15 | ditto | 0.15 | ditto. | |
| | Chuprah | Nil | ditto | Nil | ditto. | |
| | Chumpanan | ditto | ditto | ditto | ditto. | Not received 3rd to 16th Jan. |
| | Benares | ditto | Not received | ditto | 13th Feb. 1870. | |
| SOUTH- WESTERN. | Rampore Bankeah | Nil | Nil | Nil | 20th Feb. 1870. | |
| | Pabna | ditto | ditto | ditto | ditto | |
| | Maldah | ditto | ditto | ditto | ditto | |
| | Bogra | ditto | ditto | ditto | ditto | Not received 1st to 5th Jan. |
| | Dinapore | 1.00 | ditto | 1.20 | ditto | |
| SOUTH- WESTERN. | Bungpore | Nil | ditto | Nil | ditto | Not received 10th to 23rd Jan. |
| | Jalpigore | ditto | ditto | ditto | ditto | |
| | Huxa | Not received | Not received | ..... | ..... |  |
| | Darjeeling | 0.23 | Nil | 1.21 | 20th Feb. 1870. | |
| | Gowalparah | 0.15 | Not received | 0.15 | 18th Feb. 1870. | |
| SOUTH- WESTERN. | Gowhatry | Nil | ditto | 0.30 | ditto. | |
| | Shillong | ditto | ditto | Nil | ditto. | |
| | Nawgong | Not received | ditto | ..... | ..... |  |
| | Tezporo | 0.40 | ditto | 1.14 | 15th Feb. 1870. | |
| | Dholebagana | 0.07 | ditto | 1.25 | ditto. | |
| SOUTH- WESTERN. | Seebaugor | 0.10 | ditto | 1.30 | ditto. | |
| | Debraughur | Not received | ditto | 2.30 | 6th Feb. 1870. | Not received 1st to 9th Jan. |
| | Samongooding | Nil | ditto | 0.25 | 13th Feb. 1870. | Not received 1st and 2nd Jan. |
| | Cherra Poonjee | ditto | ditto | ..... | ..... |  |
| | Dacca | Nil | Not received | Nil | 13th Feb. 1870. | Not received 10th to 14th Jan. |
| SOUTH- WESTERN. | Mymensing | ditto | ditto | 0.05 | ditto. | |
| | Sylhet | ditto | ditto | 0.80 | ditto. | |
| | Cachar | ditto | ditto | 0.00 | ditto. | |
| | Aenakhall Hylakandy | ditto | ditto | 0.23 | ditto. | |
| | Tipperah | ditto | Nil | 0.10 | 20th Feb. 1870. | |
| SOUTH- WESTERN. | Noakhally | ditto | Not received | Nil | 18th Feb. 1870. | |
| | Chittagong { Telegraph Office | ditto | Nil | ditto | 20th Feb. 1870. | |
| | Jail | ditto | Not received | ditto | 13th Feb. 1870. | |
| | Rangamata Hill | ditto | ditto | ditto | ditto | |
| | Akyab | Nil | Nil | Nil | 20th Feb. 1870. | |

CALCUTTA,
The 20th February 1870.

HENRY F. BLANFORD,
Meteorological Reporter to the Govt. of Bengal.

Meteorological Telegraphic Report for the period 19th to 25th February 1870.

| STATION. | Date. | Hour. | Barometer reduced to 32° | Barometer reduced to sea-level | THERMOMETER. | | Humidity at 100. | WIND. | | Rain. | Weather initials. | Clouds. |
|---------------|-------|-------|--------------------------|--------------------------------|--------------|------|------------------|------------|-----------|---------|-------------------|--------------|
| | | | | | Dry. | Wet. | | Direction. | Velocity. | | | |
| CALCUTTA. | Feb. | | Inches. | | ☉ | ☉ | | | | Inches. | | |
| | 19th | 10 | 30.070 | 30.089 | 75.3 | 70.8 | 78 | W | ... | ... | ... | Scaly from W |
| | 19th | 16 | 30.055 | 30.053 | 85.5 | 68.6 | 80 | W | ... | ... | ... | |
| | 20th | 10 | 30.090 | 30.115 | 70.4 | 58.2 | 64 | WNW | ... | ... | ... | |
| | 20th | 16 | 30.038 | 30.051 | 61.2 | 43.4 | 51 | WNW | ... | ... | ... | |
| | 21st | 10 | 30.071 | 30.090 | 74.5 | 61.7 | 48 | W by S | ... | ... | ... | |
| | 21st | 16 | 30.084 | 30.082 | 61.6 | 62.9 | 39 | W by S | ... | ... | ... | |
| | 22nd | 10 | 30.062 | 30.081 | 74.6 | 67.1 | 53 | WSW | ... | ... | ... | |
| | 22nd | 16 | 30.013 | 30.031 | 64.5 | 55.6 | 33 | WSW | ... | ... | ... | |
| | 23rd | 10 | 30.111 | 30.129 | 78.3 | 66.7 | 66 | WSW | ... | ... | ... | |
| SALON ISLAND. | 23rd | 16 | 30.041 | 30.059 | 84.6 | 68.0 | 57 | SEW | ... | ... | ... | |
| | 24th | 10 | 30.063 | 30.081 | 77.7 | 65.7 | 49 | NW | ... | ... | ... | |
| | 24th | 16 | 30.018 | 30.036 | 67.4 | 57.3 | 30 | NW | ... | ... | ... | |
| | 25th | 10 | 30.066 | 30.086 | 78.7 | 67.3 | 50 | WNW | ... | ... | ... | CK |
| | 25th | 16 | 30.014 | 30.032 | 66.2 | 57.2 | 32 | SEW | ... | ... | ... | CK |
| | 19th | 10 | 30.073 | 30.078 | 79 | 74 | 77 | W | 3 | ... | ... | C |
| | 19th | 16 | 30.042 | 30.048 | 89 | 75 | 70 | SEW | 1 | ... | ... | |
| | 20th | 10 | 30.105 | 30.111 | 73 | 61 | 40 | NNE | 1 | ... | ... | |
| | 20th | 16 | 30.039 | 30.038 | 69 | 64 | 39 | NNE | 1 | ... | ... | |
| | 21st | 10 | 30.090 | 30.088 | 79 | 66 | 49 | E | 1 | ... | ... | |
| CHITTAGONG. | 21st | 16 | 30.039 | 30.035 | 81 | 68 | 48 | WSW | 1 | ... | ... | |
| | 22nd | 10 | 30.075 | 30.081 | 76 | 72 | 77 | W | 1 | ... | ... | |
| | 22nd | 16 | 30.048 | 30.054 | 61 | 73 | 63 | SEW | 3 | ... | ... | |
| | 23rd | 10 | 30.112 | 30.125 | 78 | 74 | 81 | NW | 1 | ... | ... | C |
| | 23rd | 16 | 30.064 | 30.070 | 63 | 73 | 60 | W | 1 | ... | ... | |
| | 24th | 10 | 30.076 | 30.081 | 75 | 65 | 44 | N | 1 | ... | ... | C |
| | 24th | 16 | 30.036 | 30.032 | 65 | 72 | 56 | WSW | 1 | ... | ... | C |
| | 25th | 10 | 30.080 | 30.086 | 78 | 67 | 53 | NE | 1 | ... | ... | |
| | 25th | 16 | 30.037 | 30.043 | 61 | 72 | 63 | S | 1 | ... | ... | |
| | 19th | 10 | 30.072 | 30.082 | 63 | 72 | 59 | WSW | 4.6 | ... | ... | |
| MADRAS. | 19th | 16 | 30.053 | 30.074 | 62 | 70 | 53 | W | 10.2 | ... | ... | |
| | 20th | 10 | 30.037 | 30.049 | 79 | 76 | 61 | NNW | 8.1 | ... | ... | |
| | 20th | 16 | 30.013 | 30.024 | 63 | 72 | 65 | WSW | 5.4 | ... | ... | |
| | 21st | 10 | 30.034 | 30.046 | 78 | 68 | 49 | NNW | 4.3 | ... | ... | |
| | 21st | 16 | 30.020 | 30.039 | 61 | 70 | 55 | WSW | 6.6 | ... | ... | |
| | 22nd | 10 | 30.034 | 30.048 | 60 | 67 | 47 | NNW | 4.6 | ... | ... | |
| | 22nd | 16 | 30.035 | 30.048 | 61 | 68 | 61 | W | 7.2 | ... | ... | |
| | 23rd | 10 | 30.067 | 30.070 | 77 | 66 | 60 | N | 4.3 | ... | ... | |
| | 23rd | 16 | 30.040 | 30.051 | 64 | 73 | 53 | W | 7.0 | ... | ... | |
| | 24th | 10 | 30.044 | 30.056 | 79 | 70 | 61 | NNW | 3.3 | ... | ... | C |
| CUTTACK. | 24th | 16 | 30.016 | 30.026 | 69 | 66 | 39 | W | 7.5 | ... | ... | CK |
| | 25th | 10 | 30.005 | 30.005 | 74 | 67 | 57 | NNE | 3.2 | ... | ... | CK |
| | 25th | 16 | 30.041 | 30.038 | 61 | 62 | 51 | NNE | 4.0 | ... | ... | CK |
| | 19th | 10 | 30.005 | 30.035 | 68 | 73 | 60 | E | 5.0 | ... | ... | |
| | 19th | 16 | 30.006 | 30.026 | 82 | 71 | 62 | E | 7.0 | ... | ... | |
| | 20th | 10 | 30.068 | 30.069 | 82 | 70 | 52 | E by N | 8.0 | ... | ... | |
| | 20th | 16 | 30.054 | 30.084 | 63 | 69 | 49 | NE | 2.0 | ... | ... | |
| | 21st | 10 | 30.050 | 30.080 | 61 | 72 | 62 | N | 6.0 | ... | ... | |
| | 21st | 16 | 30.031 | 30.081 | 53 | 71 | 59 | NNR | 10.0 | ... | ... | |
| | 22nd | 10 | 30.059 | 30.088 | 61 | 71 | 59 | NNW | 4.0 | ... | ... | |
| ANAND. | 22nd | 16 | 30.051 | 30.081 | 63 | 71 | 52 | ENE | 9.0 | ... | ... | |
| | 23rd | 10 | 30.051 | 30.081 | 63 | 71 | 52 | NK | 4.0 | ... | ... | |
| | 23rd | 16 | 30.018 | 30.048 | 62 | 71 | 55 | NE | 11.0 | ... | ... | |
| | 24rd | 10 | 30.036 | 30.066 | 63 | 68 | 42 | NNR | 9.0 | ... | ... | |
| | 24rd | 16 | 30.000 | 30.020 | 82 | 70 | 52 | NNR | 16.0 | ... | ... | |
| | 25th | 10 | 30.086 | 30.016 | 80 | 70 | 58 | N by W | 14.0 | ... | ... | |
| | 25th | 16 | 30.055 | 30.055 | 68 | 72 | 56 | N by E | 19.0 | ... | ... | |
| | 26th | 10 | 30.027 | 30.047 | 61 | 72 | 62 | NNW | 16.0 | ... | ... | |
| | 26th | 16 | 30.011 | 30.041 | 66 | 74 | 67 | N | 18.0 | ... | ... | |
| | 19th | 10 | 30.034 | 30.117 | 78 | 70 | 72 | SW | 6.3 | ... | ... | |
| CHITTAGONG. | 19th | 16 | 30.007 | 30.079 | 65 | 65 | 29 | W | 7.1 | ... | ... | |
| | 20th | 10 | 30.051 | 30.134 | 78 | 59 | 25 | NE | 9.1 | ... | ... | |
| | 20th | 16 | 30.078 | 30.061 | 63 | 63 | 29 | NW | 12.7 | ... | ... | |
| | 21st | 10 | 30.089 | 30.123 | 75 | 69 | 44 | W | 8.1 | ... | ... | |
| | 21st | 16 | 30.005 | 30.089 | 62 | 72 | 50 | NW | 7.2 | ... | ... | |
| | 22nd | 10 | 30.019 | 30.103 | 75 | 60 | 36 | NW | 4.9 | ... | ... | |
| | 22nd | 16 | 30.078 | 30.060 | 65 | 63 | 23 | N by W | 7.0 | ... | ... | |
| | 23rd | 10 | 30.057 | 30.141 | 78 | 69 | 68 | W | 5.9 | ... | ... | |
| | 23rd | 16 | 30.003 | 30.095 | 68 | 65 | 37 | NE | 10.0 | ... | ... | |
| | 24th | 10 | 30.098 | 30.143 | 75 | 66 | 56 | N | 8.0 | ... | ... | |
| ANAND. | 24th | 16 | 30.088 | 30.070 | 84 | 64 | 29 | K | 8.5 | ... | ... | |
| | 25th | 10 | 30.019 | 30.103 | 75 | 69 | 59 | W | 6.5 | ... | ... | |
| | 25th | 16 | 30.043 | 30.035 | 65 | 64 | 29 | E | 16.3 | ... | ... | C |
| | 19th | 10 | 30.046 | 30.061 | 71 | 65 | 70 | NNE | 1 | ... | ... | |
| | 19th | 16 | 30.036 | 30.053 | 61 | 68 | 43 | NNW | 3 | ... | ... | |
| | 20th | 10 | 30.020 | 30.042 | 73 | 67 | 71 | NE | 1 | ... | ... | |
| | 20th | 16 | 30.087 | 30.002 | 66 | 77 | 68 | NW | 1 | ... | ... | |
| | 21st | 10 | 30.037 | 30.053 | 74 | 69 | 39 | NE | 1 | ... | ... | |
| | 21st | 16 | 30.015 | 30.030 | 62 | 66 | 34 | NNW | 1 | ... | ... | |
| | 22nd | 10 | 30.076 | 30.091 | 71 | 61 | 68 | NE | 1 | ... | ... | |
| ANAND. | 22nd | 16 | 30.003 | 30.063 | 61 | 67 | 44 | NW | 1 | ... | ... | C |
| | 23rd | 10 | 30.039 | 30.065 | 73 | 65 | 62 | NE | 1 | ... | ... | |
| | 23rd | 16 | 30.009 | 30.024 | 77 | 69 | 64 | NW | 1 | ... | ... | C |
| | 24th | 10 | 30.074 | 30.080 | 75 | 67 | 63 | NE | 1 | ... | ... | |
| | 24th | 16 | 30.061 | 30.068 | 80 | 74 | 74 | NW | 1 | ... | ... | CK |
| | 25th | 10 | 30.044 | 30.070 | 75 | 68 | 69 | Calm | ... | ... | ... | CK |
| | 25th | 16 | 30.019 | 30.033 | 61 | 70 | 55 | NE | 1 | ... | ... | CK |
| | 19th | 10 | 30.046 | 30.061 | 71 | 65 | 70 | NNE | 1 | ... | ... | |
| | 19th | 16 | 30.036 | 30.053 | 61 | 68 | 43 | NNW | 3 | ... | ... | |
| | 20th | 10 | 30.020 | 30.042 | 73 | 67 | 71 | NE | 1 | ... | ... | |

* Velocity of wind in miles per hour.

CALCUTTA,
25th February 1870.HENRY F. BLANFORD,
Meteorological Reporter to the Govt. of Bengal.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY MAIN LINE.

Approximate Return of Traffic for Week ended 13th February 1870 on 1,131 miles open.

| | COACHING TRAFFIC. | | | | MERCHANDISE AND MINERAL TRAFFIC. | | | | Total Traffic Receipts. |
|---|-----------------------|--------------------|---------------|--------------|----------------------------------|---------------|---------------|--|-------------------------|
| | Number of Passengers. | Coaching Receipts. | | | Weight carried. | Receipts. | | | |
| | | Rs. As. P. | £. s. d. | Mds. Strs. | Rs. As. P. | £. s. d. | £. s. d. | | |
| Total Traffic for the week | 1,18,730 | 2,04,378 10 4 | 16,736 10 11 | 6,68,517 10 | 3,84,244 1 0 | 33,377 7 5 | 34,002 18 4 | | |
| Or per mile of Railway | 105 | 180 9 10 | 10 11 2 | 58 11 2 | 340 4 4 | 31 8 10 | 47 15 0 | | |
| For previous 6 weeks of half-year | 6,63,027 | 13,14,546 4 1 | 1,30,511 1 6 | 26,54,513 20 | 13,21,020 6 2 | 1,03,593 10 9 | 1,34,104 12 3 | | |
| Total for 6 weeks | 7,71,757 | 15,18,946 14 4 | 1,36,228 12 5 | 43,23,030 30 | 16,05,264 7 9 | 1,35,970 18 5 | 1,72,107 10 7 | | |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year | 97,730 | 1,58,251 15 2 | 14,504 5 3 | 7,53,095 30 | 4,69,340 2 4 | 48,033 0 2 | 67,539 5 6 | | |
| Per mile of Railway corresponding week of previous year | 86 | 140 12 9 | 12 18 1 | 66 11 2 | 414 1 9 | 47 19 3 | 50 17 4 | | |
| Total to corresponding date of previous year | 6,28,483 | 10,84,530 13 6 | 1,00,340 17 5 | 40,74,765 0 | 22,57,327 6 0 | 1,34,415 5 5 | 1,54,034 2 4 | | |

* Rs. 6,627-8-9 added on account of freight of locomotive coal carried on Jabulpore line.

EAST INDIAN RAILWAY JUBBULPORE LINE.

Approximate Return of Traffic for Week ended 13th February 1870 on 223 miles open.

| | | Rs. As. P. | £ s. d. | Mds. Strs. | Rs. As. P. | £ s. d. | £ s. d. | |
|---|--------|---------------|------------|-------------|-------------|------------|-------------|--|
| Total Traffic for the week ... | 8,144 | 13,637 14 1 | 1,238 2 9 | 58,373 30 | 14,079 6 4 | 1,990 12 5 | 3,846 18 3 | |
| Or per mile of Railway ... | 36 | 61 2 6 | 5 12 1 | 263 11 2 | 63 2 2 | 8 15 0 | 17 7 10 | |
| For previous 6 weeks of half-year... | 35,127 | 1,16,935 4 10 | 10,719 5 3 | 2,54,060 18 | 58,000 15 9 | 8,325 0 1 | 16,044 3 4 | |
| Total for 6 weeks ... | 43,271 | 1,30,572 8 11 | 11,957 7 2 | 2,82,433 8 | 72,179 7 9 | 9,315 12 6 | 19,889 18 4 | |
| COMPARISON. | | | | | | | | |
| Total for corresponding week of previous year ... | 8,202 | 15,727 14 0 | 1,441 14 5 | 58,333 12 | 15,430 11 5 | 1,414 7 10 | 2,946 2 4 | |
| Per mile of Railway corresponding week of previous year ... | 37 | 70 5 2 | 6 4 4 | 261 11 2 | 69 2 1 | 6 8 10 | 13 10 5 | |
| Total to corresponding date of previous year ... | 36,193 | 84,805 0 0 | 7,739 19 3 | 2,58,235 20 | 99,400 14 4 | 9,139 5 2 | 18,946 2 6 | |

EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for Week ended 12th February 1870 on 112½ miles open.

| | | Rs. As. P. | £ s. d. | Mds. Strs. | Rs. As. P. | £ s. d. | £ s. d. | |
|---|----------|---------------|-------------|-------------|--------------|-------------|-------------|--|
| Total Traffic for the week ... | 35,757 | 14,745 7 0 | 1,281 7 10 | 1,23,161 0 | 18,360 8 3 | 1,878 17 3 | 3,025 5 1 | |
| Or per mile of Railway ... | 319 | 130 3 10 | 11 18 5 | 1,097 16 | 161 8 10 | 16 15 7 | 26 14 3 | |
| For previous 6 weeks of half-year... | 1,44,890 | 1,03,213 0 6 | 9,424 8 8 | 4,90,700 0 | 73,645 13 5 | 8,750 18 9 | 14,178 9 2 | |
| Total for 7 weeks ... | 1,72,647 | 1,17,954 7 6 | 10,706 16 6 | 6,13,861 0 | 91,904 2 8 | 9,628 11 0 | 17,203 7 4 | |
| COMPARISON. | | | | | | | | |
| Total for corresponding week of previous year ... | 33,556 | 17,043 13 11 | 1,540 8 7 | 97,985 6 | 15,713 6 11 | 1,440 6 0 | 3,040 16 7 | |
| Per mile of Railway corresponding week of previous year ... | 299 | 150 5 0 | 13 12 7 | 776 19 | 138 12 0 | 13 14 4 | 26 0 11 | |
| Total to corresponding date of previous year ... | 1,59,718 | 1,05,627 0 10 | 9,562 2 7 | 5,13,468 14 | 1,13,000 9 9 | 10,924 7 10 | 20,040 17 5 | |

CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

Approximate Return of Traffic for Week ended 12th February 1870 on 28 miles open.

| | | Rs. As. P. | £ s. d. | Mds. Strs. | Rs. As. P. | £ s. d. | £ s. d. | |
|---|--------|------------|----------|------------|------------|----------|----------|--|
| Total Traffic for the week ... | 5,206 | 899 8 2 | 90 14 1 | 20,848 16 | 720 14 3 | 69 12 8 | 167 6 6 | |
| Or per mile of Railway ... | 186 | 32 0 6 | 3 4 18 | 746 0 | 25 16 4 | 2 7 7 | 5 13 5 | |
| For previous 6 weeks of half-year... | 10,659 | 5,275 10 6 | 483 17 6 | 62,359 6 | 1,692 19 9 | 161 15 8 | 675 14 5 | |
| Total for 7 weeks ... | 15,865 | 6,174 8 8 | 574 11 7 | 83,207 22 | 2,412 14 2 | 231 8 6 | 843 0 11 | |
| COMPARISON. | | | | | | | | |
| Total for corresponding week of previous year ... | 4,766 | 1,241 2 3 | 104 18 0 | 5,808 13 | 240 8 9 | 22 0 9 | 136 18 9 | |
| Per mile of Railway corresponding week of previous year ... | 170 | 44 12 1 | 3 14 2 | 207 0 | 8 8 5 | 0 15 9 | 4 10 5 | |
| Total to corresponding date of previous year ... | 14,301 | 7,181 15 6 | 629 7 3 | 72,379 1 | 2,424 6 0 | 219 15 3 | 673 6 6 | |



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, MARCH 9, 1870.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE may receive the SUPPLEMENT, separately, on payment of six Rupees per annum if delivered in Calcutta, or twelve Rupees if sent by Post.

Proceedings of the Council of the Lieutenant-Governor of Bengal for the purpose of making Laws and Regulations.

The council met in the council chamber on Saturday, the 26th February 1870.

Present:

HIS HONOR THE LIEUTENANT-GOVERNOR OF BENGAL, *Presiding.*

T. H. COWIE, Esq., *Advocate-General,*
THE HON'BLE ASHLEY EDEN,
A. MONKY, Esq., C.B.,
A. R. THOMPSON, Esq.,
V. H. SCHALCH, Esq.,

H. H. SUTHERLAND, Esq.,
RAJAH SATYANUND GHOSAL,
BABOO CHUNDER MOHUN CHATTERJEE,
AND
BABOO JOTENDRO MOHUN TAURKE.

VILLAGE CHOWKEEDARS.

MR. RIVERS THOMPSON moved that the Bill to provide for the appointment, dismissal, and maintenance of village chowkeedars be read in council. He said that in endeavoring, on the last occasion when he addressed the council, to explain the necessity for legislation upon this subject, he engaged after leave was given for the introduction of the Bill to explain to the council the principles upon which legislative action should proceed. For a right and perfect comprehension of this part of the subject it would, he thought, be of advantage to state in the outset the attempts which have been made to pass a law for the reform of the village police in Bengal, and he would crave the indulgence of the council for a brief recapitulation of the proposals which have been made at different times with a view to legislation.

He stated on the last occasion that a Bill for the better regulation and management of the rural police in Bengal had been introduced into the legislative council in the year 1859. The Bill was introduced by Mr. Henry Ricketts, the member who represented the interests of the Bengal provinces in the council as then constituted, and whose knowledge of the country made him eminently fit to have charge of such a measure. In bringing forward his Bill he showed very clearly what subsequent investigation and experience had only more fully confirmed, that the whole system was one in much confusion and irregularity, which embraced almost every point connected with the appointment, maintenance, or organization of the police force. Thus in some places chowkeedars were appointed by the zemindar, some by the zemindar's gomestah, some by the headmen of the village, some by the villagers themselves. Again, in some places the remuneration of the chowkeedars was by land allotments, in others by salaries in cash, by allowances of grain, by presents of cloth; and while in a few cases the remuneration might be sufficient, in the greater part of the country the rates of pay prevailing were entirely inadequate for the support of the village policeman.

The enquiries at that time and in previous years had brought to light the fact that in all the Bengal districts there were in 1859 about 1,84,777 chowkeedars in 1,59,309 villages, and that the aggregate sum paid in different forms to this body of police was estimated at no less a sum than 59½ lakhs of rupees. Mr. Ricketts' Bill proceeded on the principle that the nomination of

the village watchman should rest with those who had hitherto nominated them; that there should be no change in the nature of the remuneration which the showkeedar had been in the habit of receiving, though endeavors should be made to arrive as far as possible at a system of money payments by salary; that punchayets should be formed wherever practicable for the assessment and collection of the cess necessary for the payment of the village watchmen; and for the appointment and removal of the showkeedar, subject to the magistrate's control. The Bill also provided that it should be competent to the magistrate to dispense in places with the services of the chowkeedar, and to utilize the cess of the village to which such chowkeedar belonged to increase the pay of chowkeedars in other places. It seemed to be the opinion of the hon'ble member that a great deal of the large sum that was collected throughout the country, was very uselessly thrown away to no purpose, and that with two-thirds of the sum thus collected very much more practical good might be effected, if power was given under his Bill to appropriate the monies for the furtherance of the objects of an efficient rural police in such places as might be deemed proper, irrespective of the places and towns from which the cess was realized.

It would be unnecessary to discuss now the merits or demerits of such a principle of action, beyond stating that it forms no part of the present measure. On the contrary, the opposite principle has been distinctly recognised, that whereas it is just and expedient that the people at large should pay for their own protection, the fund realized should be directly limited in its application to the place where it is raised. However, as regards the Bill of 1859, he (Mr. Thompson) might state that beyond the enunciation of the principles on which he intended to proceed, Mr. Ricketts went no further. The Bill after being read in council appears to have been dropped, under circumstances which had been given in the statement of objects and reasons attached to the present Bill.

He (Mr. Thompson) had not been able to trace that anything further was done in the matter till the year 1863, when under the orders of His Honor's predecessor a report was called for on the subject of the re-organization of the village police in Bengal from Mr. C. P. Hobhouse, then civil and sessions judge of the Midnapore District, now Sir Charles Hobhouse, one of the learned puisne judges of the high court of judicature of Bengal. In October of that year, in obedience to the above orders, Mr. Hobhouse submitted a careful report on the subject with the draft of a Bill for the reform of the village police system. His opinion, fully elaborated in the report upon which Mr. Hobhouse prepared his measure, was that by both law and usage a clear obligation rested upon zemindars and village communities to maintain in their estates and villages a village police: that it should be declared by law that in supersession of all previous practice the payment of such village police in future should be in money; that the funds for the payment were to be supplied by landed proprietors or heads of village communities; and that all further management and employment of this force,—its appointment, organization, dismissal, and payment—were to be entirely independent of the zemindars or village communities, and should be vested solely in the district superintendent of police, subject to the general control of the district magistrate.

The publication of this report and of the draft Bill founded upon it elicited from many quarters opinions very adverse to its main features. Among others he might mention that the hon'ble member opposite as commissioner of the Bhargulpore division, and the hon'ble member to the right as secretary to the British Indian Association, were prominent among those who resisted its adoption, on the ground that it would excite great discontent among the zemindars and arouse violent opposition as a change in the direction of farther centralization, which, while imposing upon the land and upon village communities the burden of providing for the means of paying the village police force, deprived each of his interest in the village police, which from time immemorial had been recognised and acted upon.

Considering the wide diversity of opinion which prevailed generally as regards both the principles and details of Sir Charles Hobhouse's Bill, and the necessity which further consideration established of more detailed enquiry as to the respective rights of the Government, the landholders, and occupants of villages in connection with police chakeran lands, the Government was induced in 1866 to appoint a special officer to investigate the subject *de novo*, and Mr. D. J. McNeile was deputed to undertake the duty. His enquiries extended to almost every district under the jurisdiction of the Lieutenant-Governor, and the results of his personal investigation and research are embodied in the volume which he (Mr. Thompson) had now before him. With the historical portion of Mr. McNeile's report the council had no concern at present. He (Mr. Thompson) would briefly state the proposition which Mr. McNeile submitted, based on the opinion of the utter inefficiency of the present system of the rural police either for the detection or prevention of crime, and on the impossibility of removing the inherent radical defects of the system by any superficial treatment.

His proposal was the entire abolition of the present village watch as an establishment, and the appointment in its place of a body of policemen to be selected and appointed by the executive authorities, and to have jurisdiction within circles within each district of a magistrate; the entire force being in direct subordination to the regular police. As described by Mr. McNeile himself, the security and the protection of the country were to be attained by garrisoning the country with an organized subordinate constabulary, all its members being residents of the circles of villages within which they were employed.

Of course the proposal met with strong opposition. It was objected, — Mr. McNeile himself seems to have anticipated, that his measure virtually provided "for the enrolment of an army of plundering ruffians to be supported in all their extortions and cruelties by the authority of Government." It was objected, and with very strong reason, that the change which he contemplated was a revolution and not a reform; that the supersession of the institution of a village police, by what to all intents and purposes was an inferior grade of constabulary, deprived the executive of the services of a class who combined local knowledge with a kind of influence among the village communities, and that the absence of such a link between the regular police and the people would always work unsatisfactorily; that it was contrary to the wishes of the natives of the country and subversive of the principles on which the village watch had always been recognized — a municipal institution. It was under such circumstances of a general hostility to the principles which had been previously submitted for the reorganization of the rural police, that during last year a committee was appointed to reconsider the whole question with instructions to frame a draft Bill for the reform of the village police on the principle of affirming the municipal character of the rural police and providing the simplest possible means for insuring the regular and prompt payment of their wages.

He had the honor to be associated on that committee with two able members of the civil service and an honorable member of council now absent, and the present Bill was the result of their investigations on the subject. It was proposed under its provisions that the village police of the country should be brought under one uniform system of a force remunerated by money payment, and that this force should be distinct from the regular thanadari police.

The Bill proceeds upon the recognition of the fact that the village chowkeedar — purely a village servant, employed for the protection of the lives and property of the villagers, and looking to the village community for the regular payment of the remuneration to which he is entitled.

It was proposed that a punchayet should be appointed in every village where it is practicable, and that such punchayet shall, under the general control of the magistrate of the district, appoint and maintain the village watch, supervise its work and secure its regular payment, and that each member of the punchayet shall be responsible for the due report of all crime to the police.

The duties of chowkeedars are definitely prescribed and are chiefly of a character which connects them as a subsidiary force to the regular police in supplying, what is chiefly wanted, prompt information of all criminal attempts or occurrences which their local knowledge and position will enable them to give.

Thus far — regards those chowkeedars or village watchmen who are in receipt of a monthly salary. But as he (Mr. Thompson) had occasion before to explain, there are many districts in Bengal, particularly in Western Bengal, where the system of payment by assignments of land prevails. In such places it will be clear that the enforcement of money-payments in lieu of allotments of land will effect a complete revolution of the existing system. Personally he had wished that this part of the measure had been entirely omitted. On a former occasion he adverted to this view, and suggested that as the question of chowkeedars paid by allotments of land was a larger and very much more complicated question, it would be better, for the present, simply to provide for the re-organization of the village policeman who is the recipient of a cash salary, and subsequently to consider the more difficult questions connected with chakeran lands. At the same time he was free to admit that if by one comprehensive measure the council could settle the difficulties connected with both parts of the village watch system, a large measure of reform would be secured.

He would take the opportunity of pointing out some of the difficulties which would be met in dealing with the subject of chakeran lands, and which have not been entirely solved by the provisions of the Bill before the council. Before the punchayet system can be introduced in those places where the police is paid by allotments of land, we have first to undo existing arrangements. We have practically to say to the zemindar:—"The chowkeedar in this village is paid by an assignment of land appertaining to your estate: the produce of this land was placed to the credit of the zemindar when the rental on your estate was fixed in perpetuity. The Bill proposes now to take the land away from the chowkeedar, to resume it, and make it over to the zemindar, and to assign to him two-thirds of the rental for the surrender of any rights which he may have enjoyed in the services of that chowkeedar, while the remaining one-third will be taken to form or help to form a watch fund as a contribution towards the payment of the chowkeedar." In carrying out this proposal difficulties will arise, for the chowkeedar may have been for a very long time the occupant of the land proposed to be taken away from him, and he might object to a course which by a very harsh and arbitrary measure deprives him of his rights, takes away the land to the possession of which he has for a very long time been entitled, and restores him to the position of the simple recipient of a monthly police salary.

Again, the village communities may object that whereas the practice has always been to remunerate the chowkeedar by an assignment of land, it will be unjust to force them to pay a cash salary. It will also be seen that in some places a commission is proposed to ascertain and determine where chakeran lands have been alienated from their proper uses.

All these difficulties suggest themselves when the complicated question of disposing of the chakeran lands assigned to village chowkeedars for their services, comes up for consideration. But the Bill has been framed in accordance with the views of the committee, though in submitting it as the committee wished, he (Mr. Thompson) reserved to himself the right of objecting to that portion of the Bill which dealt with the question of chakeran lands. The select committee to whom the Bill will be referred can determine whether these larger provisions should be considered in connection with the present measure.

One word as to the objections raised to the system of appointing punchayets for the assessment and collection of the rate. The proposition is essentially of a novel nature and must be tentatively enforced, and therefore power is reserved to the Lieutenant-Governor to extend the system to such places as he may think fit. Objections have been taken in many places to the establishment of such an agency, and one commissioner, who combined experience with great intelligence on all such questions, said that he hoped these provisions would not be enforced in his division, as it would take ten years to establish the system of punchayets in the districts under him. He (Mr. Thompson) would simply reply in answer to that, that while he doubted altogether the estimate formed as to the system requiring ten years for its introduction in any division, still even if it required ten years, very much greater advantage would be gained by it than by the present system under which no means at all existed of communication between the magistrate and village communities. All that directly tended to facilitate means of communication between the magistrate and the people would be of assistance to executive administration. Demands are constantly made on the Government with which it is impossible to comply in the absence of any kind of local agency, and the object partly of this measure is to provide an agency, by means of the head and principal men of the village, who can assist the magistrate by all kinds of local information, and thus indirectly secure the better administration of the country in improving the position of the village chowkeedar.

With these remarks MR. THOMPSON moved that the Bill be read in council.

THE ADVOCATE-GENERAL said that perhaps he might be allowed to say one word by the suspension of the rule in accordance with which the council does not discuss the principle of a Bill on the motion to obtain leave for its introduction. With reference to what had fallen from the hon'ble member with regard to the question as to chakeran lands being left for the consideration of the select committee, he (the Advocate-General) wished to reserve to himself the power of bringing forward that question on the motion that the Bill be read in council. It was a question of general principle that ought to some extent to be discussed by the Council before the Bill was referred to a select committee.

The motion was agreed to.

MR. RIVERS THOMPSON moved that the Bill be referred to a select committee, consisting of Mr. Scholch, Baboo Isder Chunder Ghosal, Mr. Robinson, Baboo Joteendro Mohun Tagore, and the mover.

THE ADVOCATE-GENERAL said he was under the impression that the motion made to-day was for leave to introduce, and not that the Bill should be read in council. He might, however, now say that from such information as he had been able to gather from the hon'ble mover of the Bill, and also from the very lucid statement just made by him, that it should be an instruction to the select committee to consider the propriety or otherwise of the present measure dealing with the question of assigned lands. Considering that it really did involve a question of general principle, he (the Advocate-General) would prefer that it should be a special instruction from the council to the select committee to consider whether or not the measure should deal with the alteration of the system as regards the large number of cases in which under the present system the services of the chowkeedar had been and are remunerated by assignments of land. He thought that the select committee should deal with the details of the Bill with some general instructions of that kind.

THE PRESIDENT said, with reference to the additional question which the learned Advocate-General wished to have put to the council, that there was no objection to its being put if the Advocate-General desired it; but the question seemed to him (the President) to be hardly necessary, and he was not sure that it was quite regular: the mention of the point which had been raised by the hon'ble mover of the Bill and the learned Advocate-General was of itself quite sufficient to ensure the attention of the select committee being given to the subject.

THE ADVOCATE-GENERAL having acquiesced in the view stated by the President—

The motion was agreed to.

COURT OF WARDS.

MR. MONEY moved that the Report of the Select Committee on the Bill to consolidate and amend the law relating to the court of wards within the provinces under the control of the Lieutenant-Governor of Bengal, be further considered in order to the settlement of the clauses of the Bill.

In the postponed Sections 78 and 79 the blanks were filled up with the words "1st day of June 1870," as the date for the commencement of the operation of the Act.

Section 80 was agreed to.

Schedule A., providing the form of obligation to be executed by a manager, having been read—

THE ADVOCATE-GENERAL said that he had mentioned on the last occasion when this Bill was under consideration that he would propose some amendments in the schedules. The forms appeared to be taken word for word from those contained in the Regulation of 1793, but it seemed to him that they were susceptible of a good deal of amendment. As it stood, there would be some difficulty in determining the precise character of the instrument with reference to the value of the stamp to be impressed. The form in which he proposed to frame the schedules would make it an agreement for which a uniform stamp of eight annas would be required: as it stood now it was open to the objection that the agreement was entered into without any knowledge of the exact amount of the manager's liability. It was also proposed that instead of referring to the regulations passed by the Lieutenant-Governor, the engagement should refer to the provisions contained in Part VII of the Act. Practically there would be no difficulty in the way of the manager knowing what his duties are, as on appointment he would receive a copy of the sections of the Act which related to his duties. There was another alteration which it would be desirable to make if only to make the form correspond with the system universally adopted as regards all engagements entered into either with the local Government or the Supreme Government in reference to the consequences of a breach of trust. As the form stood the result would be that a person committing a breach or abuse of trust would be liable to make good treble the amount of embezzlement or injury proved against him. It would therefore be necessary in every case to prove what was the particular amount of injury suffered, which it might not always be possible to do; and secondly, there seemed no reason why managers and guardians should be put in a different position, as regards the payment of treble the amount of the injury suffered, from any other person holding a fiduciary position as regards the Government. He (the Advocate-General) would therefore propose, instead, a clause for the payment of liquidated damages. Schedule B. regarding guardians was, *mutatis mutandis*, the same as Schedule A.

He moved that the following schedules be substituted for Schedules A. and B. as they stood in the Bill:—

"SCHEDULE A.—(Referred to in Section XXXVI.)

FORM OF AGREEMENT TO BE EXECUTED BY A MANAGER.

I, A. B. having voluntarily taken on myself the management of the estate of C., disqualified proprietor of D., do hereby engage with the collector of E., that I will manage the said estate diligently and faithfully for the said proprietor, and will use every means in my power to improve the same for his [her] benefit, and will act in every respect for his [her] interest in like manner as if the estate were my own. I also engage with the said collector to observe in all respects the provisions regarding managers contained in Part VII of Act of 1870 of the Council of the Lieutenant-Governor of Bengal, and that I will derive no personal advantage from the management beyond the remuneration granted to me as manager. In the event of any breach of trust, neglect, or omission as manager being proved against me, I will pay to the said collector Rs. as liquidated damages.

SCHEDULE B.—(Referred to in Section LVI.)

FORM OF AGREEMENT TO BE EXECUTED BY A GUARDIAN.

I, A. B. having voluntarily taken upon myself the guardianship of C., disqualified proprietor of D., do hereby agree with the collector of E., that I will execute the trust committed to me diligently and faithfully, and according to the provisions regarding guardians contained in Part VII of Act of 1870 of the Council of the Lieutenant-Governor of Bengal, and that I will derive no advantage directly or indirectly from the ward's allowance beyond the remuneration granted to me as guardian. In the event of any breach of trust, neglect, or omission being proved against me, I will pay to the said collector Rs. as liquidated damages."

The motions were severally put and agreed to.

Amendments rendered necessary by the introduction of the new schedules were then made in Sections 53 and 58.

On the motion of BABOO JOTENDRO MOHUN TAGORE a further amendment was made in Section 58 by the addition of a proviso to the effect that no security shall be required from a testamentary guardian.

On the motion of THE ADVOCATE-GENERAL Section 55 was again amended with the object of providing clearly that no guardian shall be appointed nor continued for a female ward if she has an adult husband.

Verbal amendments were made in Sections 63 and 64.

The postponed Section 1 and the preamble and title were agreed to.

The council was adjourned to Saturday, the 5th March.

By order of the president the council was further adjourned to Saturday, the 12th idem.

Annual Report of Joint-Stock Companies for 1869.

From H. BEVERLEY, Esq., Registrar-General, Lower Provinces, to the Secretary to the Government of Bengal, General Department,—(No. 337, dated Fort William, the 22nd January 1870.)

REFERRING to Government order No. 352, dated the 15th January 1868, I have the honor to submit herewith the annual report of the registrar of joint-stock companies for 1869, with a comparative statement which I have had drawn up showing the history of joint-stock

enterprise in this presidency since 1857. I would suggest that the statements should, as usual, be published in the supplement to the *Calcutta Gazette*.

2. Although the amount of capital invested in joint-stock companies during the year is greater than it has been in any year since 1835, it will nevertheless be observed that only three new companies have been brought on the register against eight which have been struck off. The number of companies wound up, however, is less than it has been for several years. It would seem that nearly six millions sterling are invested in joint-stock companies which are borne on the Calcutta register.

Statement of Joint-Stock Companies registered from the year 1857 to the year 1868.

STATEMENT OF JOINT-STOCK COMPANIES REGISTERED IN 1857.

| Names of Companies. | Date on which the Company was registered. | Amount of nominal capital in Rs. |
|---|---|----------------------------------|
| | | Rs. |
| 1. Auction Company, Limited (Calcutta) | 27th July 1857 | 10,00,000 |
| 2. Copper Company, Limited (East India) | 9th September 1857 | 0,00,000 |
| Total | | 10,00,000 |

STATEMENT OF JOINT-STOCK COMPANIES REGISTERED IN 1858.

| | | |
|--|-------------------|-----------|
| | | Rs. |
| 1. Bengal Coal Company, Limited | 24th July 1858 | 10,00,000 |
| 2. Bengal United Service Medical Hall Association, Limited | 8th December 1858 | 10,000 |
| 3. Calcutta Printing and Publishing Company, Limited | 4th February | 50,000 |
| 4. Calcutta Steam Tug Association, Limited | 7th September | 9,00,000 |
| 5. Hope Town Tea Association, Limited | 6th January | 1,25,000 |
| 6. Hydraulic Steam Press Company, Limited | 21st April | 1,00,000 |
| 7. India General Steam Navigation Company, Limited | 25th September | 20,00,000 |
| 8. Ice Company, Limited (Rangoon) | ditto | 20,000 |
| 9. Ishera Yarn Mills Company, Limited | 22nd December | 4,00,000 |
| Total | | 62,05,000 |

STATEMENT OF JOINT-STOCK COMPANIES REGISTERED IN 1859.

| | | |
|--|-------------------|-----------|
| | | Rs. |
| 1. Allahabad Printing Association, Limited | 24th October 1859 | 25,000 |
| 2. Burdwan Stone Company, Limited | 10th January | 3,00,000 |
| 3. Bengal Printing Company, Limited | 30th September | 1,00,000 |
| 4. Bengal Tea Company, Limited | 23rd November | 2,50,000 |
| 5. Dootoria Estate and Tea Company, Limited | 28th January | 2,50,000 |
| 6. Darjeeling and Kurseong Tea and Coffee Company, Limited | 28th September | 90,000 |
| 7. Debra Doon and North-West of India Tea Company, Limited | 29th October | 50,00,000 |
| 8. Eastern Steam Tug Association, Limited | 1st January | 2,80,000 |
| 9. Ganges Steam Navigation Company, Limited | 23rd July | 5,71,000 |
| 10. Ganges Canal Navigation Company, Limited | 24th October | 1,00,000 |
| 11. Lime and Coal Company, Limited (Pathurghatta) | 5th May | 4,00,000 |
| 12. New Times Company, Limited | 7th February | 2,50,000 |
| 13. Screw Steam and Tug Company, Limited (Under-Writers) | 1st | 4,00,000 |
| 14. Takrar Tea Company, Limited | 25th August | 1,00,000 |
| Total | | 80,90,500 |

STATEMENT OF JOINT-STOCK COMPANIES REGISTERED IN 1860.

| | | |
|--|--------------------|-----------|
| | | Rs. |
| 1. Balsam Tea Company, Limited | 21st February 1860 | 1,00,000 |
| 2. Bangalore Bank, Limited | 17th September | 5,00,000 |
| 3. Calcutta Docking Company, Limited | 4th | 5,57,000 |
| 4. Delhi Bank, Limited | 10th October | 20,00,000 |
| 5. Funeral Furnishing Company, Limited | 5th April | 10,000 |
| 6. Hope Town Tea Company, Limited (West) | 15th June | 60,000 |
| 7. Kurseong and Darjeeling Tea and Coffee Company, Limited | 29th September | 2,50,000 |
| 8. Mutlah Agricultural Company, Limited | 28th | 2,00,000 |
| 9. People's Bank of India, Limited | 21st May | 5,00,000 |
| 10. Rangoon Iron Bazar Company, Limited | 10th December | 1,00,000 |
| 11. Silchar Tea Company, Limited | 30th April | 1,25,000 |
| 12. Simlah Bank Corporation, Limited | 2nd May | 0,15,000 |
| Total | | 60,27,000 |

STATEMENT OF JOINT-STOCK COMPANIES REGISTERED IN 1861.

| Names of Companies. | Date on which the Company was registered. | Amount of nominal capital in Rs. |
|--|---|----------------------------------|
| | | Rs. |
| 1. Agricultural and Horticultural Society | 9th September 1861 | No capital. |
| 2. Bengal River Steam Company, Limited | 22nd March | 10,00,000 |
| 3. Beerbhoom Coal Company, Limited | 1st June | 10,00,000 |
| 4. Bagbazar Screw Company, Limited | 15th July | 2,00,000 |
| 5. Bengal Hurkaru Press, Limited | 18th September | 80,000 |
| 6. Cachar Company, Limited | 9th January | 2,50,000 |
| 7. Calcutta Free School | 30th May | No capital. |
| 8. Central Assam Tea Company, Limited | 31st December | 5,00,000 |
| 9. East India Tea Company, Limited | 7th August | 10,00,000 |
| 10. Hazareebaugh Tea Company, Limited | 17th May | 1,50,000 |
| 11. Kousanie Tea Company, Limited | 4th January | 1,80,000 |
| 12. Kanchanpore Tea Company, Limited | 13th November | 2,50,000 |
| 13. Murree Brewery Company, Limited | 19th February | 6,00,000 |
| 14. Parental Academic Institution and Doveton College, Limited | 4th May | No capital. |
| 15. Soorisore Tea Company, Limited | 29th January | 2,50,000 |
| 16. Sylhet Tea Company, Limited | 29th August | 8,00,000 |
| 17. Sylhet and Cachar Tea Company, Limited | 18th December | 1,00,000 |
| 18. Uncovenanted Service Bank, Limited | 31st January | 1,05,000 |
| Total | | 61,45,000 |

STATEMENT OF JOINT-STOCK COMPANIES REGISTERED IN 1862.

| | | Rs. |
|--|----------------|-------------|
| 1. Agra Savings Bank, Limited | 8th March 1862 | 1,40,000 |
| 2. Bengal Military Orphan Society | 4th January | No capital. |
| 3. Bengal Salt Company, Limited | 29th July | 1,00,000 |
| 4. Great Eastern Hotel Company, Limited | 28th February | 15,00,000 |
| 5. Gouripore Company, Limited | 11th December | 8,00,000 |
| 6. Iron Works Company, Limited, (North of India, Kumaon) | 17th May | 4,85,000 |
| 7. Kangra Valley Tea Company, Limited | 21st March | 98,000 |
| 8. Labae Tea Company, Limited | 11th February | 1,00,000 |
| 9. North-West Indigo Association, Limited | 3rd April | 8,00,000 |
| 10. New Silchar Tea Company, Limited | | 4,00,000 |
| 11. Punjab Bank, Limited | 31st March | 5,00,000 |
| 12. Ramgurbh Company, Limited | 13th May | 10,00,000 |
| 13. Sopra Tea Company, Limited | 20th November | 2,00,000 |
| Total | | 59,01,000 |

STATEMENT OF JOINT-STOCK COMPANIES REGISTERED IN 1863.

| | | Rs. |
|--|----------------|-------------|
| 1. Alliance Tea Company, Limited | 2nd July 1863 | 1,00,000 |
| 2. Allan and Hayes, Limited | 7th " | 8,00,000 |
| 3. Bank of Upper India, Limited | 27th January | 1,00,000 |
| 4. Bengal Oil Company, Limited | 5th May | 1,50,000 |
| 5. Bishnauth Tea Company, Limited | 8th " | 5,00,000 |
| 6. Beak and Company, Limited | 13th " | 1,50,000 |
| 7. British Burmah Plantation Company, Limited | 9th October | 3,00,000 |
| 8. Bengal Steam Tug Company, Limited | 9th December | 10,00,000 |
| 9. Cachar and Assam Tea Company, Limited | 22nd January | 8,00,000 |
| 10. Central Cachar Tea Company, Limited | 2nd May | 8,00,000 |
| 11. Cachar Tea Company, Limited | 5th " | 12,00,000 |
| 12. Commercial Transport Association, Limited | 4th August | 2,00,000 |
| 13. Calcutta Landing and Shipping Company, Limited | 7th " | 3,00,000 |
| 14. Chatlawhar Tea Company, Limited | 15th September | 4,00,000 |
| 15. Calcutta City Banking Corporation, Limited | 29th " | 50,00,000 |
| 16. Calcutta Ship Company, Limited | 10th October | 5,00,000 |
| 17. Calcutta Sewing Company, Limited | 27th November | 2,20,000 |
| 18. Calcutta Native Hospital | 2nd December | No capital. |
| 19. Dohra Doon Tea Company, Limited | 31st March | 20,00,000 |
| 20. Darjeeling Transit and Hotel Company, Limited | 21st September | 1,00,000 |
| 21. Eastman and Company, Limited | 30th April | 3,00,000 |
| 22. Eastern Cachar Tea Company, Limited | 15th July | 2,50,000 |
| 23. Equitable Coal Company, Limited | 1st August | 8,00,000 |
| 24. Eastern Bengal Indigo Company, Limited | 28th " | 4,00,000 |
| 25. Elgin Tea Company, Limited | 17th November | 1,00,000 |
| 26. Golaghat Assam Tea Company, Limited | 30th April | 6,00,000 |
| 27. Great Northern Assam Tea Company, Limited | 27th August | 10,00,000 |

STATEMENT OF JOINT-STOCK COMPANIES REGISTERED IN 1868.

| Names of Companies. | Date on which the Company was registered. | Amount of nominal capital in Rs. |
|---|---|----------------------------------|
| | | Rs. |
| 28. Goosery Cotton Mills Company, Limited | 9th October 1868 | 8,00,000 |
| 29. Hope Town Equitable Tea Company, Limited | 9th March | 60,000 |
| 30. Hunter and Company, Limited | 1st May | 4,00,000 |
| 31. Hooghly Steam Tug Company, Limited | 28th April | 3,20,000 |
| 32. Howrah Docking Company, Limited | 15th September | 8,00,000 |
| 33. Hylakandy Tea Company, Limited | 23rd November | 2,00,000 |
| 34. Indian New Castle Coal Company, Limited | 23rd " | 3,80,000 |
| 35. Jellalpoore Cachar Tea Company, Limited | 24th September | 1,00,000 |
| 36. Kurseong and Darjeeling Tea Company, Limited | 12th December | 8,00,000 |
| 37. Lebong and Minchu Tea Company, Limited | 14th March | 1,50,000 |
| 38. Luckimpore Tea Plantation Company, Limited | 18th May | 2,00,000 |
| 39. Muttass Tea Company, Limited | 20th " | 4,00,000 |
| 40. Mutual Tea Company, Limited | 27th June | 8,00,000 |
| 41. Meerut Cotton Pressing Company, Limited | 8th September | 1,50,000 |
| 42. New Medical Hall Company, Limited | 30th April | 2,50,000 |
| 43. Oriental Steam Tug Association, Limited | 2nd November | 7,50,000 |
| 44. Punkabaree Tea Company, Limited | 9th March | 2,50,000 |
| 45. Punjab Trading Company, Limited | 30th December | 9,00,000 |
| 46. St. James' Theatre Company, Limited | 17th March | 1,00,000 |
| 47. Scott, Thomson and Company, Limited | 1st April | 5,00,000 |
| 48. South Cachar Company, Limited | 1st " | 3,00,000 |
| 49. Spence's Hotel Company, Limited | 1st May | 5,00,000 |
| 50. Seebasagor Tea Company, Limited | 28th August | 4,00,000 |
| 51. Sea Salt Company, Limited | 15th September | 5,00,000 |
| 52. Simla Club and North-West Wine Company, Limited | 18th " | 8,00,000 |
| 53. Tirhoot Indigo Company, Limited | 5th October | 8,00,000 |
| 54. Union Steam Tug Company, Limited | 8th June | 8,50,000 |
| 55. Victoria Tea Company, Limited | 3rd July | 10,00,000 |
| 56. Watts and Company, Limited | 1st May | 3,00,000 |
| Total | | 8,06,10,000 |

STATEMENT OF JOINT-STOCK COMPANIES REGISTERED IN 1864.

| | | Rs. |
|---|-----------------|-------------|
| 1. Allyghur Cotton Screwing Company, Limited | 5th August 1864 | 25,000 |
| 2. Barak Tea Company, Limited | 18th March | 3,00,000 |
| 3. Brewery (Nyno Tal) Company, Limited | 24th " | 68,000 |
| 4. Burmah Rivers Steam Navigation Company, Limited | 12th April | 20,00,000 |
| 5. Bengal Mills Company, Limited | 6th September | 50,000 |
| 6. Brunton's Patent Press Company, Limited | 3rd " | 8,00,000 |
| 7. Clive Steam Tug Company, Limited | 9th April | 5,00,000 |
| 8. Durrung Tea Company, Limited | 4th January | 5,00,000 |
| 9. Elgin Cotton Spinning and Weaving Company, Limited | 5th May | 3,00,000 |
| 10. Himalaya Hotel Company, Limited | 2nd February | 2,00,000 |
| 11. Hooghly Lighter Association, Limited | 4th " | 2,00,000 |
| 12. Hindu Flour Company, Limited | 7th April | 10,000 |
| 13. Indian Cotton Screwing Company, Limited | 12th August | 4,00,000 |
| 14. Indian Daily News Company, Limited | 2nd June | 80,000 |
| 15. Jeffery and Company, Limited (Merchant Tailors) | 10th February | 1,00,000 |
| 16. Jerie Tea Company, Limited | 14th April | 2,00,000 |
| 17. Jaypore Tea Company, Limited | 1st August | 1,00,000 |
| 18. Kooloorvalley Tea Company, Limited | 23rd May | 1,00,000 |
| 19. Labor Transport Company, Limited | 28th July | 1,00,000 |
| 20. Monacherra Tea Company, Limited | 30th January | 8,00,000 |
| 21. Mussorie Savings Bank, Limited | 31st May | 1,00,000 |
| 22. Mirzapore and Central Cotton Cleaning and Screwing Company, Limited | 22nd July | 2,00,000 |
| 23. Moran Tea Company, Limited | 20th " | 8,00,000 |
| 24. Nabor Habi Tea Company, Limited | 28th April | 2,00,000 |
| 25. Oudh and United Service Bank, Limited | 9th May | 1,00,000 |
| 26. Rohilkund and Kumaon Trading Company, Limited | 8th " | 2,00,000 |
| 27. Rangoonea Company, Limited | 3rd December | 5,00,000 |
| 28. Singapore Company, Limited | 28th May | 5,000 |
| 29. Simlab Brewery Company, Limited | 17th November | 2,00,000 |
| 30. Strand Pressing Company, Limited | 19th December | 6,00,000 |
| 31. Tukvar Company, Limited | 20th February | 12,00,000 |
| 32. Upper India Commercial Association, Limited | 1st October | 7,50,000 |
| Total | | 1,12,28,900 |

STATEMENT OF JOINT-STOCK COMPANIES REGISTERED IN 1865.

| Names of Companies. | Date on which the Company was registered. | Amount of nominal capital in Rs. |
|---|---|----------------------------------|
| | | Rs. |
| 1. Assam Trading Company, Limited | 18th March 1865 | 1,00,000 |
| 2. Allahabad Bank, Limited | 17th April | 3,00,000 |
| 3. Bengal Credit Mobilier, Limited | 24th February | 50,00,000 |
| 4. Bangalore Hotel Company, Limited | 21st December | 1,00,000 |
| 5. Chukkerah Company, Limited | 20th January | 2,00,000 |
| 6. Ceyry Coffee Company, Limited | 8th March | 1,00,000 |
| 7. Calcutta Central Press Company, Limited | 21st April | 75,000 |
| 8. Calcutta Parcels Delivery Company, Limited | 23rd May | 25,000 |
| 9. Cachar Planters' Hotel Company, Limited | 22nd November | 20,000 |
| 10. Dehing Company, Limited | 16th February | 20,00,000 |
| 11. East India Timber Company, Limited | 11th | 5,00,000 |
| 12. East India Building and General Contract Company, Limited | 10th June | 50,00,000 |
| 13. Issa Cherra Tea Company, Limited | 29th March | 1,00,000 |
| 14. Indian Grain and General Produce Company, Limited | 24th April | 10,00,000 |
| 15. North-East Saw Mills Company, Limited | 20th November | 2,00,000 |
| 16. Oudh Banking Corporation, Limited | 12th May | 5,00,000 |
| 17. Port Canning Hotel Company, Limited | 19th January | 30,000 |
| 18. Port Canning Land Investment, Reclamation and Dock Company, Limited | 25th | 1,20,00,000 |
| 19. Punjab Printing Company, Limited | 18th September | 1,00,000 |
| 20. Pioneer Press Company, Limited | 19th December | 1,00,000 |
| 21. Salt Water Lakes Reclamation and Irrigation Company, Limited | 22nd March | 60,00,000 |
| 22. Sarawak Jaisac Hindustan Banking and Trading Company, Limited | 28th June | 2,50,00,000 |
| 23. Wastarra Coffee Company, Limited | 23rd December | 48,000 |
| 24. Woodstock Tea Company, Limited | 22nd January | 3,00,000 |
| Total | | 6,16,98,000 |

STATEMENT OF JOINT-STOCK COMPANIES REGISTERED IN 1866.

| | | |
|--|---------------|-------------|
| | | Rs. |
| 1. Allahabad Railway Co-operative Society, Limited | 2nd June 1866 | 12,000 |
| 2. Burmah Steam Tug Company, Limited | 12th July | 3,00,000 |
| 3. Bridgman Tea Company, Limited | 1st September | 80,000 |
| 4. Calcutta School Book and Vernacular Literature Society | 7th April | No capital. |
| 5. Durrabhur Company, Limited | 23rd May | 60,000 |
| 6. Futehgurh Orphan Asylum Text Manufacturing Company, Limited | 20th March | 32,000 |
| 7. Jamalpore Co-operative Society, Limited | 19th January | 10,000 |
| 8. Murree Junior Club Company, Limited | 6th August | 20,000 |
| 9. Simlah Assembly Rooms Company, Limited | 9th January | 70,000 |
| 10. Sonai Tea Company, Limited | 26th April | 1,00,000 |
| 11. United Bank of India, Limited | 14th | 5,00,000 |
| Total | | 11,64,700 |

STATEMENT OF JOINT-STOCK COMPANIES REGISTERED IN 1867.

| | | |
|--|----------------|-------------|
| | | Rs. |
| 1. Borradaile, Schiller Steam Tug Association, Limited | 30th May 1867 | 4,00,000 |
| 2. Chandypore Tea Company, Limited | 8th August | 2,50,000 |
| 3. Calcutta Opera House Company, Limited | 11th September | 40,000 |
| 4. Darjeeling Terai Tea Company, Limited | 28th October | 1,00,000 |
| 5. Eastern Steam Tug Company, Limited | 8th December | 1,00,000 |
| 6. Fyzabad Bank, Limited | 16th January | 60,000 |
| 7. Kuttal Tea Company, Limited | 26th | 1,00,000 |
| 8. Lucknow Saw Mills and General Contract Company, Limited | 28th September | 1,00,000 |
| 9. Nasmyths' Patent Pressing Company, Limited | 16th | 1,60,000 |
| 10. Preparis and Cocos Islands Trading Company, Limited | 8th May | 5,00,000 |
| 11. Ranecgunge Pottery Company, Limited | 30th April | 80,000 |
| 12. St. Paul's School at Darjeeling | | No capital. |
| Total | | 18,50,000 |

STATEMENT OF JOINT-STOCK COMPANIES REGISTERED IN 1868.

| | | |
|------------------------------------|--------------------|-----------|
| | | Rs. |
| 1. Bank of Calcutta, Limited | 24th November 1868 | 10,00,000 |
| 2. New Mutual Tea Company, Limited | 15th August | 1,20,000 |
| Total | | 11,20,000 |

Statement of Joint-Stock Companies wound up from the year 1857 to the year 1868.

STATEMENT OF JOINT-STOCK COMPANIES WOUND UP DURING 1857.

| Name of Companies. | Date on which the Company was wound up. | Amount of Nominal capital in Rs. |
|--------------------|---|----------------------------------|
| | | |

STATEMENT OF JOINT-STOCK COMPANIES WOUND UP DURING 1858.

| | | Rs. |
|---|---------------------|----------|
| 1. Hydraulic Steam Press Company, Limited | 11th August 1858 | 1,00,000 |
| 2. Ice Company, Limited (Rangoon) | 25th September 1858 | 20,000 |
| Total | | 1,20,000 |

STATEMENT OF JOINT-STOCK COMPANIES WOUND UP DURING 1859.

| | | Rs. |
|---|---------------------|----------|
| 1. Copper Company, Limited (East India) | 27th September 1859 | 6,00,000 |

STATEMENT OF JOINT-STOCK COMPANIES WOUND UP DURING 1860.

| | | Rs. |
|--|------------------|----------|
| 1. Darjeeling and Kurseong Tea and Coffee Company, Limited | 27th August 1860 | 90,000 |
| 2. New Times Company, Limited | 1st February " | 2,50,000 |
| 3. Rangoon Iron Bazar Company, Limited | 10th December " | 1,00,000 |
| Total | | 4,40,000 |

STATEMENT OF JOINT-STOCK COMPANIES WOUND UP DURING 1861.

| | | Rs. |
|--|--------------------|----------|
| 1. Calcutta Printing and Publishing Company, Limited | 5th October 1861 | 60,000 |
| 2. Funeral Furnishing Company, Limited | 5th September 1861 | 10,000 |
| 3. Lime and Coal Company, Limited (Puthurghatta) | 1st July 1861 | 4,00,000 |
| Total | | 4,60,000 |

STATEMENT OF JOINT-STOCK COMPANIES WOUND UP DURING 1862.

| | | Rs. |
|---|---------------------|-----------|
| 1. Auction Company, Limited | 19th September 1862 | 10,00,000 |
| 2. Cachar Company, Limited | 28th November " | 2,50,000 |
| 3. Ganges Canal Navigation Company, Limited | 8th November " | 1,00,000 |
| 4. New Silchar Tea Company, Limited | | 4,00,000 |
| Total | | 17,50,000 |

STATEMENT OF JOINT-STOCK COMPANIES WOUND UP DURING 1863.

| | | Rs. |
|--|---------------|-----------|
| 1. Alan and Hayes, Limited | 7th July 1863 | 9,00,000 |
| 2. Bag Bazar Screw Company, Limited | 25th August " | 2,00,000 |
| 3. British Burmah Plantation Company, Limited | 9th October " | 3,00,000 |
| 4. Dehra Doon and North-West of India Tea Company, Limited | 2nd April " | 50,00,000 |
| 5. Mutiah Agricultural Company, Limited | 7th March " | 2,00,000 |
| 6. Screw Steam and Tug Company, Limited, (Under-Writers) | 16th July " | 4,00,000 |
| 7. Silchar Tea Company, Limited | 19th May " | 1,25,000 |
| 8. St. James' Theatre Company, Limited | 17th March " | 1,00,000 |
| Total | | 72,25,000 |

STATEMENT OF JOINT-STOCK COMPANIES WOUND UP DURING 1864.

| Names of Companies. | Date on which the Company was wound up. | Amount of nominal capital in Rs. |
|---|---|----------------------------------|
| 1. Bengal Hukaru Press, Limited | 13th January 1864 | 80,000 |
| 2. Bengal Salt Company, Limited | " | 1,00,000 |
| 3. Great Northern Assam Tea Company, Limited | 27th January 1864 | 10,00,000 |
| 4. Hindu Flour Company, Limited | 7th April | 10,000 |
| 5. Singapore Company, Limited | 26th May | 5,000 |
| 6. Tukvar Tea Company, Limited | 26th February | 1,00,000 |
| 7. Burmah River Steam Navigation Company, Limited | " | 20,00,000 |
| Total | " | 32,95,000 |

STATEMENT OF JOINT-STOCK COMPANIES WOUND UP DURING 1865.

| | | Rs. |
|--|---------------------|-----------|
| 1. Alliance Tea Company, Limited | 2nd July 1863 | 1,00,000 |
| 2. Olive Steam Tug Company, Limited | 9th April 1864 | 50,000 |
| 3. Darjeeling Transit and Hotel Company, Limited | 21st September 1863 | 1,00,000 |
| 4. E. L. Benke and Company, Limited | 13th May 1863 | 1,50,000 |
| 5. Elgin Tea Company, Limited | 17th November 1863 | 1,00,000 |
| 6. Ganges Steam Navigation Company, Limited | 23rd July 1859 | 5,71,600 |
| 7. Hazareebaugh Tea Company, Limited | 17th May 1861 | 1,50,000 |
| 8. Kurseong and Darjeeling Tea and Coffee Company, Limited | 29th September 1860 | 2,50,000 |
| 9. Labac Tea Company, Limited | 11th February 1862 | 1,00,000 |
| 10. North-West of India Cotton Screwing Company, Limited | 12th August 1864 | 4,00,000 |
| 11. Tea Salt Company, Limited | 13th September 1863 | 5,00,000 |
| Total | " | 24,71,800 |

STATEMENT OF JOINT-STOCK COMPANIES WOUND UP DURING 1866.

| | | Rs. |
|--|---------------------|-------------|
| 1. Bengal Oil Company, Limited | 6th May 1867 | 1,50,000 |
| 2. Bengal River Steam Company, Limited | 22nd March 1861 | 12,00,000 |
| 3. Bengal Mills Company, Limited | 6th September 1864 | 50,000 |
| 4. Bengal Steam Tug Company, Limited | " | 10,00,000 |
| 5. Calcutta Steam Tug Association, Limited | 8th September 1868 | 9,00,000 |
| 6. Commercial Transport Association | 4th August 1863 | 2,00,000 |
| 7. Calcutta Ship Company, Limited | 10th October 1863 | 5,00,000 |
| 8. Delhi Bank, Limited | 21st January 1854 | 20,00,000 |
| 9. East India Timber Company, Limited | 11th February 1865 | 5,00,000 |
| 10. East India Building and General Contract Company, Limited | 10th June 1865 | 50,00,000 |
| 11. Eastern Steam Tug Association, Limited | 7th January 1859 | 5,50,000 |
| 12. Hope Town Equitable Tea Company, Limited | 9th March 1863 | 50,000 |
| 13. Hunter and Company, Limited | 1st May 1863 | 4,00,000 |
| 14. Indian New Castle Coal Company, Limited | 23rd November 1863 | 3,00,000 |
| 15. Jerri Tea Company, Limited | 14th April 1864 | 2,00,000 |
| 16. South Cachar Company, Limited | 1st April 1863 | 3,00,000 |
| 17. Simlah Club and North-West Wine Company, Limited | 18th September 1863 | 3,00,000 |
| 18. Salt Water Lakes Reclamation and Irrigation Company, Limited | 22nd March 1865 | 50,00,000 |
| 19. Union Steam Tug Company, Limited | 6th June 1863 | 3,50,000 |
| 20. Watts and Company, Limited | 1st May 1863 | 8,00,000 |
| Total | " | 2,04,20,000 |

STATEMENT OF JOINT-STOCK COMPANIES WOUND UP DURING 1867.

| | | Rs. |
|---|---------------------|-------------|
| 1. Bengal Credit Mobilier, Limited | 23rd February 1865 | 80,00,000 |
| 2. Chakawhar Tea Company, Limited | 15th September 1863 | 4,00,000 |
| 3. Cachar and Assam Company, Limited | 22nd January 1863 | 8,00,000 |
| 4. Dootooriah Estate and Tea Company, Limited | 28th January 1869 | 2,50,000 |
| 5. Fyzabad Bank, Limited | " | 50,000 |
| 6. Hooghly Steam Tug Company, Limited | 28th April 1863 | 3,20,000 |
| 7. Issa Cherra Tea Company, Limited | 28th March 1865 | 1,00,000 |
| 8. Mearut Cotton Pressing Company, Limited | 5th September 1863 | 1,50,000 |
| 9. National Bank of India, Limited | 29th September 1863 | 50,00,000 |
| 10. North-West Indigo Association, Limited | 3rd April 1862 | 5,00,000 |
| 11. Rangonea Company, Limited | 3rd December 1864 | 5,00,000 |
| 12. Secrispore Tea Company, Limited | 29th January 1861 | 2,50,000 |
| 13. Seebangor Tea Company, Limited | 28th August 1863 | 4,00,000 |
| 14. Strand Pressing Company, Limited | 19th December 1864 | 5,00,000 |
| 15. Sylhet and Cachar Tea Company, Limited | 29th August 1861 | 5,00,000 |
| Total | " | 1,30,20,000 |

STATEMENT OF JOINT-STOCK COMPANIES WOUND UP DURING 1868.

| Names of Companies. | * Date on which the Company was registered. | Amount of nominal capital in Rs. |
|--|---|----------------------------------|
| | | Rs. |
| 1. Bangalore Hotel Company, Limited | 21st December 1865 | 1,00,000 |
| 2. Cachar Planters Hotel Company, Limited | 22nd November 1865 | 20,000 |
| 3. Cachar Tea Company, Limited | 6th May 1863 | 12,00,000 |
| 4. Central Assam Tea Company, Limited | 21st December 1861 | 5,00,000 |
| 5. Eastman and Company, Limited | 30th April 1863 | 3,00,000 |
| 6. Golaghat Assam Tea Company, Limited | 30th April 1863 | 6,00,000 |
| 7. Hope Town Tea Association, Limited | 24th July 1868 | 3,12,500 |
| 8. Indian Daily News Company, Limited | 30th June 1864 | 30,000 |
| 9. Ishera Yarn Mills Company, Limited | 22nd December 1868 | 6,00,000 |
| 10. Jumnalpoore Co-operative Society, Limited | 19th January 1868 | 10,000 |
| 11. Jeypore Tea Company, Limited | 1st August 1864 | 1,00,000 |
| 12. Labor Transport Company, Limited | 28th July 1864 | 1,00,000 |
| 13. Mutual Tea Company, Limited | 27th June 1863 | 2,00,000 |
| 14. New Medical Hall Company, Limited | 30th April 1863 | 2,50,000 |
| 15. Oriental Steam Tug Association, Limited | 2nd November 1863 | 7,50,000 |
| 16. Oudh Banking Corporation, Limited | 12th May 1865 | 5,00,000 |
| 17. People's Bank of India, Limited | 1st May 1860 | 5,00,000 |
| 18. Proprietary and Cocos Islands Company, Limited | 31st May 1867 | 5,00,000 |
| 19. Sonai Tea Company, Limited | 26th April 1866 | 1,00,000 |
| Total | | 72,72,500 |

Statement of Joint-Stock Companies transferred to the Registrar of Joint-Stock Companies in the North-Western Provinces and Punjab during the years 1867 and 1868.

| Names of Companies transferred to the Registrar of Joint-Stock Companies, North Western-Provinces. | Date of transfer. | Amount of nominal capital in Rs. |
|--|-------------------|----------------------------------|
| | | Rs. |
| 1. Allahabad Printing Association, Limited | 24th July 1868 | 25,000 |
| 2. Agra Savings Bank, Limited | May .. | 1,40,000 |
| 3. Alighur Cotton Screwing Company, Limited | ditto .. | 25,000 |
| 4. Allahabad Bank, Limited | ditto .. | 3,00,000 |
| 5. Allahabad Railway Co-operative Society, Limited | ditto .. | 40,000 |
| 6. Bank of Upper India, Limited | April 1868 | 10,00,000 |
| 7. Brewery (Nyne Tal) Company, Limited | ditto .. | 58,800 |
| 8. Elgin Cotton Spinning and Weaving Company, Limited | ditto .. | 3,00,000 |
| 9. Futtchgurh Orphan Asylum Tent Manufacturing Company, Limited | May 1868 | 32,000 |
| 10. Iron Works Company, Limited (North of India, Kumaon) | ditto .. | 4,65,000 |
| 11. Indian Grain and General Produce Company, Limited | ditto .. | 10,00,000 |
| 12. Kousanie Tea Company, Limited | ditto .. | 2,13,000 |
| 13. Lucknow Saw Mills and General Contract Company, Limited | 2nd November 1868 | 1,00,000 |
| 14. Mussoorie Savings Bank, Limited | 24th July 1868 | 1,00,000 |
| 15. Mirzapore and Central Cotton Cleaning and Screwing Company, Limited | May 1868 | 2,00,000 |
| 16. Pioneer Press Company, Limited | ditto .. | 1,00,000 |
| 17. Rohilkund and Kumaon Trading Company, Limited | ditto .. | 2,00,000 |
| 18. Uncovenanted Service Bank, Limited | April 1868 | 1,06,000 |
| Total | | 44,03,900 |

| Names of Companies transferred to the Registrar of Joint-Stock Companies, Punjab. | Date of transfer. | Amount of nominal capital in Rs. |
|---|---------------------|----------------------------------|
| | | Rs. |
| 1. Kangra Valley Tea Company, Limited | 18th July 1867 | 26,000 |
| 2. Jeffery and Company, Limited (Merchant Tailors) | May 1867 | 1,00,000 |
| 3. Kooloolvalley Tea Company, Limited | ditto .. | 1,00,000 |
| 4. Murree Brewery Company, Limited | 18th September 1867 | 5,00,000 |
| 5. Murree Junior Club Company, Limited | June .. | 20,000 |
| 6. Punjab Bank, Limited | May .. | 5,00,000 |
| 7. Punjab Printing Company, Limited | ditto .. | 1,00,000 |
| 8. Simla Bank Corporation, Limited | ditto .. | 6,15,000 |
| 9. Simla Brewery Company, Limited | ditto .. | 2,00,000 |
| 10. Simla Assembly Rooms Company, Limited | ditto .. | 70,000 |
| 11. Upper India Commercial Association, Limited | ditto .. | 7,50,000 |
| 12. United Bank of India, Limited | ditto .. | 5,00,000 |
| Total | | 35,51,000 |

Statement of Joint-Stock Companies defunct.

| Name of Companies. | Amount of nominal capital in Rs. |
|--|----------------------------------|
| 1. Barak Tea Company, Limited ... | 3,00,000 |
| 2. Calcutta Parcels Delivery Company, Limited ... | 25,000 |
| 3. Chukereah Company, Limited ... | 2,00,000 |
| 4. Himalayah Hotel Company, Limited ... | 2,00,000 |
| 5. Hooghly Lighter Association, Limited ... | 2,00,000 |
| 6. Sarawak Jaines Hindustan Banking and Trading Company, Limited ... | 2,50,00,000 |
| 7. Woodstock Tea Company, Limited ... | 2,00,000 |
| Total ... | 2,61,25,000 |

Statement of Joint-Stock Companies registered during 1869.

| Names of Companies. | When registered. | Amount of nominal capital in Rs. |
|--|------------------------|---|
| Arcuttipore Tea Company, Limited ... | 19th January 1869 ... | 8,00,000 |
| Hong-Kong and Shanghai Banking Corporation ... | 7th April 1869 ... | 50,00,000 five millions of dollars, Hong-Kong Currency, equal to Rs. ...1,12,50,000 |
| *Rangai Masonic Association ... | 4th August 1869 ... | Nil |
| Muddenhaut Tea Company, Limited ... | 31st December 1869 ... | 1,50,000 |
| Total ... | ..... | 1,17,00,000 |

* Registered under Act XXI of 1860.

Statement of Joint-Stock Companies wound up during 1869.

| Names of Companies. | When registered. | Amount of nominal capital in Rs. |
|--|------------------------|----------------------------------|
| Calcutta Scrowing Company, Limited ... | 27th November 1863 ... | 2,20,000 |
| Assam Trading Company, Limited ... | 18th March 1865 ... | 1,00,000 |
| Nahor Hali Tea Company, Limited ... | 29th April 1864 ... | 2,00,000 |
| Punjab Trading Company, Limited ... | 30th December 1863 ... | 6,00,000 |
| Raneegunge Pottery Company, Limited ... | 30th April 1867 ... | 50,000 |
| Lebong and Minchu Tea Company, Limited ... | 18th March 1863 ... | 1,50,000 |
| Hylakandy Tea Company, Limited ... | 23rd November 1863 ... | 2,00,000 |
| Spence's Hotel Company, Limited ... | 1st May 1863 ... | 5,00,000 |
| Total ... | ..... | 20,20,000 |

Comparative Statement showing the number and capital of Joint-Stock Companies registered and wound up during the period from 1857 to 1869.

| | 1857. | | 1858. | | 1859. | | 1860. | | 1861. | | 1862. | | 1863. | | 1864. | | 1865. | | 1866. | | 1867. | | 1868. | | 1869. | | Total. | | | |
|--|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-------------|-------|-------------|-------|--------------|-------|-------------|-------|-------------|-----------|-----------|-------|-------------|-------------|-------------|-------------|--------------|
| | No. | Value. | No. | Value. | No. | Value. | No. | Value. | No. | Value. | No. | Value. | No. | Value. | No. | Value. | No. | Value. | No. | Value. | No. | Value. | No. | Value. | No. | Value. | No. | Value. | | |
| 1 Companies registered ... | 2 | 15,00,000 | 0 | 22,00,000 | 14 | 32,54,500 | 12 | 50,57,000 | 18 | 37,45,000 | 15 | 52,01,000 | 54 | 3,06,10,000 | 22 | 1,12,23,500 | 24 | 30,14,00,000 | 12 | 11,64,000 | 12 | 19,50,000 | 2 | 11,20,000 | 4 | 1,17,00,000 | ... | ... | 509 | 15,13,45,000 |
| 2 Ditto wound up ... | ... | ... | 2 | 1,35,000 | 1 | 5,00,000 | 3 | 4,40,000 | 3 | 4,60,000 | 4 | 17,50,000 | 8 | 72,25,000 | 7 | 32,05,500 | 11 | 21,71,000 | 30 | 2,03,50,000 | 15 | 1,00,50,000 | 19 | 79,72,500 | 8 | 59,20,000 | 101 | 4,59,34,000 | ... | ... |
| 3 Ditto otherwise defunct | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 2,37,00,000 | 6 | 9,33,000 | ... | ... | ... | ... | ... | 7 | 2,51,25,000 | ... | ... | |
| 4 Ditto transferred to the register for N. W. P. ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 19 | 44,03,000 | ... | ... | 16 | 44,03,000 | ... | ... | |
| 5 Ditto ditto to the register for the Punjab | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 12 | 35,51,000 | ... | ... | ... | 12 | 35,51,000 | 189 | 9,30,73,000 | |
| 6 Companies remaining on the Calcutta register | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 71 | 5,09,45,000 | |

H. BEYERLEY,
Registrar-General.

Meteorological Telegraphic Report for the period 26th Feb. to 4th Mar. 1870.

| STATION. | Date. | Hour. | Barometer reduced to 32°. | Barometer reduced to sea-level. | THERMOMETER. | | Humidity Sat. = 100. | Wind. | | Rain. | Weather initials. | Clouds. |
|----------------|-------|-------|---------------------------|---------------------------------|--------------|------|----------------------|------------|-----------|---------|-------------------|---------|
| | | | | | Dry. | Wet. | | Direction. | Velocity. | | | |
| CALCUTTA. | Feb. | | Inches. | | ☉ | ☉ | | | | Inches. | | |
| | 26th | 10 | 30.063 | 30.080 | 77.2 | 67.2 | 58 | S W | ... | ... | ... | CK |
| | 16 | | 30.053 | 30.041 | 80.0 | 68.0 | 36 | S by R | ... | ... | ... | CK |
| | 27th | 10 | 30.081 | 30.040 | 76.5 | 66.5 | 44 | W | ... | ... | ... | C |
| | 16 | | 30.068 | 30.014 | 88.3 | 80.3 | 31 | N | ... | ... | b | |
| | 28th | 10 | 30.047 | 30.005 | 78.6 | 68.6 | 41 | S S W | ... | ... | b | |
| | Mar. | 10 | 30.000 | 30.007 | 67.6 | 67.4 | 30 | W N W | ... | ... | b | |
| | 1st | 10 | 30.016 | 30.033 | 70.0 | 65.0 | 54 | S | ... | ... | b | |
| | 16 | | 30.000 | 30.078 | 82.0 | 68.4 | 30 | W S W | ... | ... | b | |
| | 2nd | 10 | 30.010 | 30.037 | 81.4 | 71.5 | 50 | S by W | ... | ... | b | |
| GARDON ISLAND. | 16 | | 30.008 | 30.076 | 82.7 | 71.0 | 27 | W S W | ... | ... | b | |
| | 3rd | 10 | 30.003 | 30.093 | 80.7 | 65.0 | 34 | W | ... | ... | b | |
| | 16 | | 30.078 | 30.098 | 81.8 | 64.8 | 34 | W N W | ... | ... | b | |
| | 4th | 10 | 30.081 | 30.079 | 84.8 | 67.2 | 34 | E | ... | ... | ... | C |
| | 16 | | 30.080 | 30.049 | 81.2 | 70.0 | 31 | W S W | ... | ... | ... | C |
| | Feb. | | | | | | | | | | | |
| | 26th | 10 | 30.078 | 30.084 | 78 | 74 | 81 | N N E | 1 | ... | m | K |
| | 16 | | 30.047 | 30.063 | 80 | 75 | 78 | N W | 1 | ... | b, m | K |
| | 27th | 10 | 30.070 | 30.079 | 78 | 75 | 82 | N N W | 1 | ... | b m | C, OK |
| | 16 | | 30.053 | 30.038 | 80 | 73 | 70 | S W | 3 | ... | b m | C |
| CHITTAGONG. | 28th | 10 | 30.068 | 30.068 | 78 | 71 | 81 | W | 1 | ... | ... | |
| | Mar. | 10 | 30.010 | 30.026 | 83 | 75 | 70 | W S W | 1 | ... | m | |
| | 1st | 10 | 30.033 | 30.033 | 80 | 74 | 78 | W | 1 | ... | b m | |
| | 16 | | 30.008 | 30.074 | 83 | 75 | 87 | S W | 3 | ... | m | |
| | 2nd | 10 | 30.051 | 30.017 | 83 | 74 | 60 | W | 3 | ... | b | |
| | 16 | | 30.007 | 30.013 | 84 | 70 | 87 | W S W | 3 | ... | b m | |
| | 3rd | 10 | 30.039 | 30.045 | 85 | 73 | 54 | W N W | 1 | ... | b | C |
| | 16 | | 30.007 | 30.013 | 84 | 77 | 71 | S W | 3 | ... | b m | C |
| | 4th | 10 | 30.050 | 30.005 | 85 | 74 | 67 | S E | 1 | ... | m | |
| | 16 | | 30.053 | 30.059 | 80 | 75 | 60 | S W | 1 | ... | m | |
| MAHARAJ. | Feb. | | | | | | | | | | | |
| | 26th | 10 | 30.074 | 30.016 | 80 | 70 | 58 | N E by N | 8.3 | ... | m | K |
| | 16 | | 30.036 | 30.034 | 81 | 69 | 61 | W S W | 0.8 | ... | m | K |
| | 27th | 10 | 30.004 | 30.018 | 72 | 68 | 71 | N | 3.1 | ... | m | K, K |
| | 16 | | 30.070 | 30.044 | 70 | 65 | 75 | N N E | 6.1 | ... | m | N |
| | 28th | 10 | 30.038 | 30.038 | 74 | 69 | 70 | N W | 4.1 | 0.10 | m | |
| | Mar. | 10 | 30.009 | 30.013 | 83 | 73 | 66 | W S W | 6.8 | ... | b | |
| | 1st | 10 | 30.091 | 30.006 | 81 | 69 | 61 | N N W | 3.0 | ... | b | |
| | 16 | | 30.070 | 30.020 | 83 | 71 | 59 | W | 0.7 | ... | b | |
| | 2nd | 10 | 30.050 | 30.051 | 81 | 72 | 53 | W S W | 3.4 | ... | b | |
| CUTTACK. | 16 | | 30.071 | 30.053 | 81 | 73 | 54 | W S W | 2.8 | ... | b | |
| | 3rd | 10 | 30.023 | 30.038 | 86 | 71 | 44 | E S E | 4.1 | ... | b | |
| | 16 | | 30.072 | 30.031 | 88 | 70 | 37 | S W | 7.2 | ... | b | |
| | 4th | 10 | 30.034 | 30.046 | 84 | 66 | 40 | N W | 4.1 | ... | b | C |
| | 16 | | 30.027 | 30.035 | 90 | 71 | 34 | W S W | 6.2 | ... | b | C |
| | Feb. | | | | | | | | | | | |
| | 26th | 10 | 30.000 | 30.000 | 83 | 73 | 56 | N N W | 1.6 | ... | b | |
| | 16 | | 30.040 | 30.076 | 83 | 73 | 60 | N | 1.8 | ... | b | |
| | 27th | 10 | 30.091 | 30.091 | 81 | 71 | 40 | N N W | 1.6 | ... | b | |
| | 16 | | 30.056 | 30.088 | 83 | 73 | 50 | N by W | 1.6 | ... | b | |
| ARUN. | 28th | 10 | 30.040 | 30.070 | 83 | 75 | 61 | N N W | 1.6 | ... | b | |
| | Mar. | 10 | 30.037 | 30.007 | 81 | 75 | 70 | N N W | 1.8 | 0.01 | b | |
| | 1st | 10 | 30.014 | 30.044 | 73 | 73 | 95 | N E | 4.6 | 1.45 | b | |
| | 16 | | 30.004 | 30.024 | 81 | 75 | 74 | E N E | 1.0 | 0.30 | b | |
| | 2nd | 10 | 30.078 | 30.078 | 83 | 75 | 87 | E N E | 4.6 | ... | b | |
| | 16 | | 30.007 | 30.007 | 83 | 75 | 67 | N E by E | 4.6 | ... | b | |
| | 3rd | 10 | 30.056 | 30.056 | 89 | 74 | 84 | N N E | 3.8 | ... | b | |
| | 16 | | 30.034 | 30.084 | 83 | 74 | 53 | E N E | 7.0 | ... | b | |
| | 4th | 10 | 30.040 | 30.076 | 80 | 74 | 74 | E N E | 3.6 | ... | b | |
| | 16 | | 30.030 | 30.000 | 83 | 73 | 63 | E by N | 3.6 | ... | b | |

* Velocity of wind in miles per hour.

CALCUTTA,
The 3rd March 1870.HENRY F. BLANFORD,
Meteorological Reporter to the Govt. of Bengal.

Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

| Circuits. | STATIONS. | Rain from 14th to 20th Feb. 1870. | to Rain from 21st to 27th Feb. 1870. | RAIN FROM 1st JANUARY 1870. | | REMARKS. |
|----------------|----------------------------|-----------------------------------|--------------------------------------|-----------------------------|-----------------|------------------------------------|
| | | | | Rain. | Up to date. | |
| | | Inch. | Inch. | Inch. | | |
| SOUTH-WESTERN. | Poorce ... | Nil | Not received | Nil | 20th Feb. 1870. | |
| | False Point ... | Not received | ditto | ditto | 8th Feb. 1870. | |
| | Cuttack { Telegraph Office | Nil | Nil | 1.00 | 27th Feb. 1870. | |
| | { Jail | ditto | ditto | 1.05 | ditto. | |
| | Bambulpore ... | ditto | Not received | 3.30 | 20th Feb. 1870. | |
| WESTERN. | Bulandpur ... | ditto | ditto | 1.18 | ditto. | |
| | Midnapore ... | Nil | Nil | 0.90 | 27th Feb. 1870. | |
| | Bancora ... | ditto | ditto | 0.35 | ditto. | |
| | Chyobana ... | ditto | Not received | 1.50 | 20th Feb. 1870. | |
| | Purulia ... | ditto | Nil | 1.29 | 27th Feb. 1870. | |
| CENTRAL. | Burdwan ... | ditto | ditto | 0.20 | ditto. | |
| | Ranagunge ... | ditto | ditto | 0.15 | ditto. | |
| | Sooree ... | Not received | Not received | ... | ... | |
| | Poonghur ... | Nil | Nil | 0.40 | 27th Feb. 1870. | |
| | Burhee ... | Not received | Not received | 0.45 | 6th Feb. 1870. | Not received 3rd to 16th Jan. |
| | Hazareebagh ... | ditto | Nil | 0.28 | 27th Feb. 1870. | Not received 14th to 20th Feb. |
| | Mauger Island ... | Nil | Nil | Nil | 27th Feb. 1870. | |
| | Cuttack ... | Not received | Not received | ditto | 13th Jan. 1870. | |
| | Calcutta ... | Nil | Nil | 0.77 | 27th Feb. 1870. | |
| | Howrah ... | ditto | ditto | 1.42 | ditto. | |
| | Hooghly { Jail | ditto | ditto | 1.00 | ditto. | |
| | { College | Not received | Not received | ... | ... | |
| | Jessore ... | Nil | Nil | 0.20 | 27th Feb. 1870. | |
| | Berhampore ... | Not received | Not received | Nil | 13th Feb. 1870. | |
| | Farrukhpore ... | Nil | Nil | ditto | 27th Feb. 1870. | Not received 7th to 13th Feb. |
| | Burraikul ... | ditto | ditto | ditto | ditto. | |
| | Kishinagar ... | ditto | ditto | 0.18 | ditto. | Not received 1st to 16th Jan. |
| | Barughat ... | ditto | ditto | Nil | ditto. | Not received 1st Jan. to 6th Feb. |
| | Bongong ... | ditto | ditto | 0.30 | ditto. | Not received 1st to 9th Jan. |
| | Meharpore ... | ditto | ditto | Nil | ditto. | Not received 1st Jan. to 6th Feb. |
| | Choudanub ... | ditto | ditto | ditto | ditto. | Not received 1st Jan. to 6th Feb. |
| NORTH-WESTERN. | Bhangulpore ... | Nil | Nil | 0.50 | 27th Feb. 1870. | Not received 24th to 30th Jan. |
| | Monghyr ... | ditto | ditto | 0.10 | ditto. | |
| | Patna ... | ditto | ditto | 0.04 | ditto. | |
| | Arrah ... | ditto | ditto | Nil | ditto. | |
| | Buxar ... | ditto | ditto | 0.15 | ditto. | |
| | Chuprah ... | ditto | ditto | Nil | ditto. | |
| | Chunparua ... | ditto | Not received | ditto | 20th Feb. 1870. | Not received 3rd to 16th Jan. |
| | Bonares ... | ditto | ditto | 0.05 | ditto. | |
| NORTHERN. | Rampore Benulch ... | Nil | Nil | Nil | 27th Feb. 1870. | |
| | Palma ... | ditto | ditto | ditto | ditto. | |
| | Maljah ... | ditto | Not received | ditto | 20th Feb. 1870. | |
| | Rogra ... | ditto | Nil | ditto | 27th Feb. 1870. | Not received 1st to 9th Jan. |
| | Dumapora ... | Not received | ditto | 1.20 | ditto. | Not received 13th to 20th Feb. |
| | Rungpore ... | Nil | Not received | Nil | 20th Feb. 1870. | Not received 10th to 23rd Jan. |
| | Jalpigore ... | ditto | Nil | ditto | 27th Feb. 1870. | |
| | Buxa ... | Not received | Not received | ... | ... | |
| | Darjeeling ... | Nil | Nil | 1.21 | 27th Feb. 1870. | |
| | Darjeeling ... | Nil | Nil | 1.21 | 27th Feb. 1870. | |
| NORTH-EASTERN. | Gowalparah ... | Nil | Nil | 0.15 | 27th Feb. 1870. | |
| | Gowhatti ... | ditto | Not received | 0.30 | 20th Feb. 1870. | |
| | Shillong ... | ditto | ditto | Nil | ditto. | |
| | Nongong ... | 0.70 | ditto | 0.70 | ditto. | Not received 1st Jan. to 13th Feb. |
| | Tripura ... | Nil | ditto | 1.15 | ditto. | |
| | Dholebuzun ... | 0.15 | ditto | 1.50 | ditto. | |
| | Sachinagar ... | Nil | ditto | 1.30 | ditto. | |
| | Debrooghur ... | Not received | ditto | 4.40 | 6th Feb. 1870. | Not received 1st to 6th Jan. |
| | Bamangauting ... | Nil | ditto | 0.25 | 20th Feb. 1870. | Not received 1st and 2nd Jan. |
| | Cherra Poonje ... | Not received | ditto | ... | ... | |
| | Dacca ... | Not received | Nil | Nil | 27th Feb. 1870. | Not received 10th to 16th Jan. |
| | Myinamung ... | ditto | Not received | 0.05 | 13th Feb. 1870. | and 14th to 20th Feb. |
| | Meinet ... | Nil | ditto | 0.80 | 20th Feb. 1870. | |
| | Cachar ... | ditto | ditto | 0.90 | ditto. | |
| | Achakhal Hylakandy ... | ditto | ditto | 0.83 | ditto. | |
| EASTERN. | Tipperah ... | ditto | ditto | 0.10 | ditto. | |
| | Nakhal ... | ditto | ditto | Nil | ditto. | |
| | Chitra { Telegraph Office | ditto | Nil | ditto | 27th Feb. 1870. | |
| | { Jail | ditto | Not received | ditto | 20th Feb. 1870. | |
| | Rangamates Hill ... | ditto | ditto | ditto | ditto. | |
| SOUTH-EASTERN. | Akyab ... | Nil | Nil | Nil | 27th Feb. 1870. | |

CALCUTTA,
The 5th March 1870.HENRY F. BLANFORD,
Meteorological Reporter to the Govt. of Bengal.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY MAIN LINE.

Approximate Return of Traffic for Week ended 20th February 1870 on 1,131 miles open.

| | COACHING TRAFFIC. | | | | MERCHANDISE AND MINERAL TRAFFIC. | | | | Total Traffic Receipts. |
|---|-----------------------|--------------------|----------------|--|----------------------------------|----------------|---------------|---------------|-------------------------|
| | Number of Passengers. | Coaching Receipts. | | | Weight carried. | Receipts. | | | |
| | | Rs. As. P. | £ s. d. | | Mds. Strs. | Rs. As. P. | £ s. d. | | |
| Total Traffic for the week | 1,04,570 | 1,84,778 14 0 | 16,838 1 4 | | 7,00,801 0 | 43,70,896 15 9 | 84,848 1 6 | 51,487 2 10 | |
| Or per mile of Railway | | 163 6 0 | 14 10 0 | | | 853 5 11 | 30 11 6 | 45 10 8 | |
| For previous 7 weeks of half-year | 7,78,700 | 16,18,144 14 5 | 1,39,230 18 5 | | 43,53,335 30 | 26,05,864 7 0 | 2,28,870 18 3 | 5,76,107 10 7 | |
| Total for 7 weeks | 8,83,542 | 17,03,723 13 11 | 1,50,174 13 0 | | 50,53,608 30 | 30,52,703 7 0 | 2,73,410 18 4 | 6,29,504 15 0 | |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year | 1,10,520 | 1,77,982 10 5 | 14,315 1 6 | | 7,06,404 0 | 4,30,354 1 5 | 40,274 2 3 | 10,589 3 11 | |
| Per mile of Railway corresponding week of previous year | | 157 5 11 | 14 8 4 | | | 599 7 8 | 25 18 3 | 30 0 0 | |
| Total to corresponding date of previous year | 7,46,984 | 12,71,519 8 0 | 1,10,555 16 11 | | 63,70,180 0 | 20,50,611 7 0 | 2,74,080 7 6 | 3,91,543 6 7 | |

* Rs. 5,418-10-0 added as East Indian Railway proportion from Loodiana to Jubbulpore on account of Troops Train.
 + Rs. 3,911-14-9 added on account of freight of locomotive coal carried on Jubbulpore line.

EAST INDIAN RAILWAY JUBBULPORE LINE.

Approximate Return of Traffic for Week ended 20th February 1870 on 223 miles open.

| | | Rs. As. P. | £ s. d. | Mds. Strs. | Rs. As. P. | £ s. d. | £ s. d. |
|---|--------|---------------|------------|-------------|--------------|-------------|-------------|
| Total Traffic for the week | 4,295 | 22,178 9 5 | 2,032 15 3 | 60,343 30 | 12,446 0 0 | 1,140 77 8 | 3,173 13 11 |
| Or per mile of Railway | | 99 7 1 | 9 2 4 | | 55 13 0 | 5 2 6 | 14 4 7 |
| For previous 7 weeks of half-year | 42,337 | 1,90,074 2 11 | 11,809 0 0 | 2,80,083 0 | 72,170 7 9 | 6,615 12 6 | 18,564 18 6 |
| Total for 7 weeks | 46,632 | 1,52,740 12 4 | 14,008 1 3 | 8,31,277 20 | 84,616 7 0 | 7,755 10 3 | 21,753 11 5 |
| COMPARISON. | | | | | | | |
| Total for corresponding week of previous year | 3,773 | 11,853 5 2 | 1,040 14 0 | 52,543 10 | 17,324 4 10 | 1,576 77 11 | 2,419 13 0 |
| Per mile of Railway corresponding week of previous year | | 50 14 7 | 4 13 4 | | 77 3 10 | 7 1 7 | 11 14 11 |
| Total to corresponding date of previous year | 23,984 | 26,918 6 3 | 2,501 14 0 | 4,00,779 30 | 1,16,004 4 2 | 10,715 1 1 | 10,619 15 1 |

Rs. 4,183-12-3 added as Jubbulpore line proportion from Loodiana to Jubbulpore on account of Troops Train.

EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for Week ended 19th February 1870 on 113½ miles open.

| | | Rs. As. P. | £ s. d. | Mds. Strs. | Rs. As. P. | £ s. d. | £ s. d. |
|---|----------|---------------|-------------|-------------|---------------|--------------|-------------|
| Total Traffic for the week | 23,418 | 17,092 13 0 | 1,580 10 10 | 25,310 0 | 14,110 6 0 | 1,000 2 4 | 3,220 15 2 |
| Or per mile of Railway | 249 | 150 14 10 | 13 10 0 | 841 34 | 120 14 8 | 14 16 8 | 28 9 11 |
| For previous 7 weeks of half-year | 1,72,553 | 1,17,554 7 0 | 10,770 10 0 | 6,13,961 0 | 21,404 2 9 | 6,523 11 0 | 19,500 7 0 |
| Total for 8 weeks | 2,00,749 | 1,34,647 4 6 | 12,342 13 4 | 7,09,201 0 | 1,10,514 8 0 | 10,046 18 6 | 22,427 4 2 |
| COMPARISON. | | | | | | | |
| Total for corresponding week of previous year | 23,210 | 15,787 5 51 | 1,723 3 5 | 1,18,445 27 | 22,428 6 51 | 2,050 4 1 | 3,777 7 6 |
| Per mile of Railway corresponding week of previous year | 249 | 150 14 3 | 15 4 2 | 1,045 35 | 197 16 7 | 18 2 11 | 36 7 1 |
| Total to corresponding date of previous year | 1,87,828 | 1,34,614 6 51 | 11,404 10 0 | 7,80,914 12 | 1,05,431 9 21 | 12,413 11 11 | 23,616 4 11 |

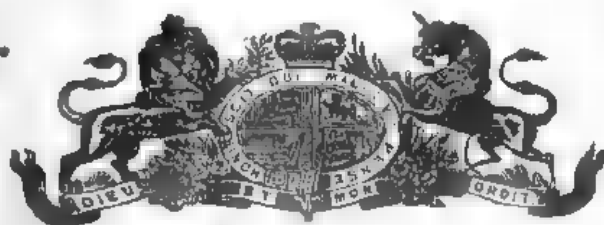
CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

Approximate Return of Traffic for Week ended 19th February 1870 on 38 miles open.

| | | Rs. As. P. | £ s. d. | Mds. Strs. | Rs. As. P. | £ s. d. | £ s. d. |
|---|--------|------------|----------|------------|------------|----------|-----------|
| Total Traffic for the week | 5,204 | 980 13 0 | 88 1 8 | 13,039 30 | 619 14 0 | 47 11 4 | 125 15 10 |
| Or per mile of Railway | 136 | 34 5 0 | 5 2 11 | 641 0 | 16 6 0 | 1 14 0 | 6 16 11 |
| For previous 7 weeks of half-year | 35,157 | 6,268 2 9 | 574 11 7 | 86,184 16 | 2,910 0 0 | 208 9 4 | 823 0 11 |
| Total for 8 weeks | 40,341 | 7,238 15 9 | 662 13 1 | 1,04,154 8 | 3,538 7 0 | 309 0 8 | 948 15 9 |
| COMPARISON. | | | | | | | |
| Total for corresponding week of previous year | 6,626 | 1,285 8 50 | 115 1 8 | 18,633 27 | 431 11 8 | 56 19 3 | 173 1 3 |
| Per mile of Railway corresponding week of previous year | 101 | 44 15 4 | 4 2 8 | 600 0 | 22 5 3 | 1 9 9 | 6 2 11 |
| Total to corresponding date of previous year | 40,504 | 6,447 5 44 | 774 8 9 | 91,017 28 | 4,945 8 3 | 370 19 0 | 1,145 6 0 |

No. 11 .

of 1870



SUPPLEMENT TO
The Calcutta Gazette.

WEDNESDAY, MARCH 16, 1870.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE may receive the SUPPLEMENT, separately, on payment of six Rupees per annum if delivered in Calcutta, or twelve Rupees if sent by Post.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY MAIN LINE.

Approximate Return of Traffic for Week ended 27th February 1870 on 1,181 miles open.

| | COACHING TRAFFIC. | | | | MERCHANDISE AND MINERAL TRAFFIC. | | | | Total Traffic Receipts. |
|---|-----------------------|--------------------|---------------|--|----------------------------------|---------------|---------------|--|-------------------------|
| | Number of Passengers. | Coaching Receipts. | | | Weight carried. | Receipts. | | | |
| | | Rs. As. P. | £ s. d. | | Mds. Strs. | Rs. As. P. | £ s. d. | | £ s. d. |
| Total Traffic for the week ... | 1,12,240 | 1,54,480 10 0 | 10,913 5 19 | | 658,375 20 | 4,77,459 14 0 | 48,782 8 2 | | 60,678 7 0 |
| Or per mile of Railway ... | 95 | 163 8 1 | 14 19 1 | | 560 0 | 422 8 0 | 32 13 11 | | 33 13 8 |
| For previous 7 weeks of half-year... | 8,63,342 | 17,03,723 12 11 | 1,56,174 18 9 | | 59,55,895 20 | 59,59,765 7 8 | 2,79,416 10 8 | | 4,30,404 13 8 |
| Total for 8 weeks ... | 9,80,582 | 18,58,220 6 11 | 1,78,086 17 7 | | 67,46,419 10 | 64,60,223 8 0 | 3,17,187 2 10 | | 4,99,274 0 8 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... | 90,779 | 1,48,828 8 10 | 13,643 10 8 | | 3,01,323 10 | 4,51,285 14 8 | 41,877 0 19 | | 53,090 11 0 |
| Per mile of Railway corresponding week of previous year ... | 77 | 131 9 7 | 13 1 5 | | 260 0 | 399 1 0 | 36 11 2 | | 46 12 11 |
| Total to corresponding date of previous year ... | 3,46,783 | 14,30,857 18 7 | 1,32,199 9 7 | | 31,71,518 10 | 34,47,947 8 8 | 5,16,086 8 8 | | 4,44,763 16 1 |

* Rs. 14,121-8-9 added on account of missing returns from Cawnpore in week ending 26th January 1870.

EAST INDIAN RAILWAY JUBBULPORE LINE.

Approximate Return of Traffic for Week ended 27th February 1870 on 223 miles open.

| | | Rs. As. P. | £ s. d. | Mds. Strs. | Rs. As. P. | £ s. d. | £ s. d. |
|---|--------|---------------|------------|-------------|--------------|------------|-------------|
| Total Traffic for the week ... | 4,454 | 21,265 11 8 | 1,940 7 2 | 46,591 10 | 12,424 4 6 | 1,158 19 1 | 2,098 5 8 |
| Or per mile of Railway ... | 20 | 95 5 10 | 8 14 10 | 208 0 | 55 11 6 | 5 9 8 | 23 17 9 |
| For previous 7 weeks of half-year... | 49,627 | 1,52,739 12 4 | 14,092 1 8 | 3,58,277 20 | 84,619 7 8 | 7,736 10 3 | 21,709 11 8 |
| Total for 8 weeks ... | 51,081 | 1,74,015 7 10 | 15,031 6 8 | 3,80,868 30 | 97,040 14 3 | 8,893 9 3 | 24,448 10 8 |
| COMPARISON. | | | | | | | |
| Total for corresponding week of previous year ... | 3,847 | 10,063 11 4 | 929 10 1 | 23,954 0 | 18,078 0 1 | 1,198 5 4 | 2,120 13 8 |
| Per mile of Railway corresponding week of previous year ... | 17 | 45 2 1 | 4 2 9 | 103 0 | 81 9 11 | 5 7 5 | 9 10 8 |
| Total to corresponding date of previous year ... | 32,313 | 1,06,092 3 7 | 9,724 4 1 | 4,39,733 20 | 1,29,090 4 8 | 12,016 8 6 | 21,440 10 0 |

* Rs. 2,617-14-7 added on account of Jubbulpore proportion for missing returns of extra Troops Train run in week ending 26th January 1870.

EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for Week ended 26th February 1870 on 113 miles open.

| | | Rs. As. P. | £ s. d. | Mds. Strs. | Rs. As. P. | £ s. d. | £ s. d. |
|---|----------|---------------|-------------|-------------|--------------|--------------|-------------|
| Total Traffic for the week ... | 29,861 | 19,444 9 0 | 1,600 10 1 | 1,25,490 0 | 17,768 10 0 | 1,623 15 11 | 3,319 17 0 |
| Or per mile of Railway ... | 228 | 162 13 10 | 14 15 7 | 1,108 0 | 156 14 4 | 14 7 8 | 29 8 3 |
| For previous 8 weeks of half-year | 2,00,768 | 1,34,647 4 6 | 12,841 13 4 | 7,99,201 0 | 1,10,014 8 8 | 10,084 15 4 | 22,427 0 8 |
| <hr/> | | | | | | | |
| Total for 9 weeks ... | 2,26,664 | 1,53,091 14 2 | 14,033 8 5 | 8,34,681 1 | 1,27,782 8 8 | 11,713 9 3 | 25,746 17 8 |
| <hr/> | | | | | | | |
| COMPARISON. | | | | | | | |
| <hr/> | | | | | | | |
| Total for corresponding week of previous year ... | 23,822 | 16,274 14 8 | 1,075 11 4 | 1,53,736 31 | 19,498 2 0 | 1,787 2 11 | 2,462 14 8 |
| Per mile of Railway corresponding week of previous year ... | 210 | 161 6 8 | 14 15 11 | 1,323 0 | 172 2 6 | 15 10 7 | 20 17 1 |
| Total to corresponding date of previous year ... | 2,10,203 | 1,42,093 2 0 | 13,890 4 4 | 8,60,650 23 | 1,54,017 3 3 | 14,300 14 10 | 27,280 10 2 |

CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

Approximate Return of Traffic for Week ended 26th February 1870 on 28 miles open.

| | | Rs. As. P. | £ s. d. | Mds. S. | Rs. As. P. | £ s. d. | £ s. d. |
|---|--------|------------|----------|-------------|------------|----------|-------------|
| Total Traffic for the week ... | 5,127 | 1,079 18 6 | 88 19 4 | 12,809 0 | 1,491 10 6 | 123 10 0 | 232 10 2 |
| Or per mile of Railway ... | 183 | 38 8 31 | 8 10 6 | 458 0 | 53 6 3 | 4 15 0 | 9 4 3 |
| For previous 8 weeks of half-year... | 40,541 | 7,229 15 6 | 622 13 1 | 1,04,124 8 | 3,358 7 9 | 288 0 8 | 658 13 8 |
| Total for 9 weeks ... | 45,668 | 8,308 10 0 | 761 13 5 | 1,17,933 8 | 4,800 2 3 | 440 0 0 | 1,301 13 10 |
| COMPARISON. | | | | | | | |
| Total for corresponding week of previous year ... | 6,022 | 1,221 3 11 | 112 19 2 | 21,335 33 | 758 0 6 | 69 11 6 | 162 10 6 |
| Per mile of Railway corresponding week of previous year ... | 201 | 44 0 3 | 4 0 8 | 806 0 | 27 1 0 | 2 9 9 | 6 10 6 |
| Total to corresponding date of previous year ... | 44,167 | 9,079 9 4 | 687 7 11 | 1,13,603 21 | 4,585 3 8 | 440 8 8 | 1,327 17 8 |

Meteorological Telegraphic Report for the period 5th to 11th March 1870.

| STATIONS. | Date. | Hour. | Barometer re- duced to 32° | Barometer re- duced to sea- level. | THERMOMETER. | | Humidity Sat. =100. | WIND. | | Rain. | Weather initials. | CLOUDS. |
|----------------|-------|-------|-------------------------------|--|--------------|------|------------------------|------------|-----------|---------|----------------------|---------|
| | | | | | Dry. | Wet. | | Direction. | Velocity. | | | |
| CALCUTTA. | | | | | | | | | | | | |
| | Mar. | | Inches. | | ° | ° | | | | Inches. | | |
| | 5th | 10 | 29.960 | 29.964 | 80.0 | 72.0 | 66 | SSW | ... | ... | ... | 0 |
| | | 16 | 29.955 | 29.953 | 81.3 | 71.6 | 81 | SW | ... | ... | ... | ... |
| | 6th | 10 | 29.957 | 29.976 | 78.0 | 73.0 | 78 | NW | ... | ... | ... | ... |
| | | 16 | 29.916 | 29.884 | 81.3 | 71.7 | 86 | W | ... | ... | ... | ... |
| | 7th | 10 | 29.931 | 29.910 | 82.0 | 71.8 | 59 | SW | ... | ... | ... | ... |
| | | 16 | 29.900 | 29.818 | 91.0 | 72.5 | 33 | WSW | ... | ... | ... | ... |
| | 8th | 10 | 29.934 | 29.963 | 83.0 | 68.6 | 30 | NNW | ... | ... | ... | ... |
| | | 16 | 29.797 | 29.815 | 88.7 | 68.8 | 32 | NW | ... | ... | ... | ... |
| | 9th | 10 | 29.933 | 29.961 | 81.7 | 65.0 | 86 | W by N | ... | ... | ... | ... |
| | | 16 | 29.790 | 29.809 | 80.2 | 60.5 | 39 | W | ... | ... | ... | ... |
| | 10th | 10 | 29.918 | 29.934 | 81.0 | 67.6 | 46 | S by W | ... | ... | ... | ... |
| | | 16 | 29.708 | 29.726 | 82.0 | 70.6 | 30 | W | ... | ... | ... | ... |
| | 11th | 10 | 29.901 | 29.918 | 80.7 | 67.0 | 44 | SSW | ... | ... | ... | ... |
| | | 16 | 29.784 | 29.789 | 81.8 | 70.4 | 30 | W by S | ... | ... | ... | 80 |
| SAUBOR ISLAND. | | | | | | | | | | | | |
| | 5th | 10 | 29.974 | 29.950 | 80 | 77 | 80 | N | 1 | ... | ... | ... |
| | | 16 | 29.958 | 29.904 | 83 | 78 | 79 | SSW | 1 | ... | ... | ... |
| | 6th | 10 | 29.901 | 29.907 | 83 | 78 | 82 | NW | 1 | ... | ... | ... |
| | | 16 | 29.851 | 29.857 | 84 | 76 | 87 | SW | 1 | ... | ... | ... |
| | 7th | 10 | 29.944 | 29.950 | 83 | 77 | 75 | WNW | 1 | ... | ... | ... |
| | | 16 | 29.899 | 29.875 | 85 | 76 | 84 | WSW | 1 | ... | ... | ... |
| | 8th | 10 | 29.856 | 29.902 | 82 | 70 | 49 | NNE | 2 | ... | ... | ... |
| | | 16 | 29.891 | 29.827 | 82 | 73 | 37 | NE | 1 | ... | ... | ... |
| | 9th | 10 | 29.964 | 29.970 | 84 | 66 | 39 | NK | 2 | ... | ... | ... |
| | | 16 | 29.890 | 29.826 | 88 | 74 | 49 | SSW | 1 | ... | ... | ... |
| | 10th | 10 | 29.929 | 29.973 | 89 | 73 | 63 | WNW | 1 | ... | ... | ... |
| | | 16 | 29.891 | 29.807 | 87 | 74 | 51 | WSW | 1 | ... | ... | ... |
| | 11th | 10 | 29.922 | 29.978 | 89 | 76 | 76 | WNW | 1 | ... | ... | ... |
| | | 16 | 29.789 | 29.788 | 86 | 77 | 66 | SSW | 1 | ... | ... | ... |
| CHITTAGONG. | | | | | | | | | | | | |
| | 5th | 10 | 29.834 | 29.845 | 84 | 63 | 26 | NNW | 6.2" | ... | ... | ... |
| | | 16 | 29.747 | 29.860 | 89 | 67 | 38 | WSW | 10.5" | ... | ... | ... |
| | 6th | 10 | 29.842 | 29.849 | 88 | 72 | 49 | E | 5.2" | ... | ... | ... |
| | | 16 | 29.747 | 29.866 | 89 | 71 | 37 | SW | 7.3" | ... | ... | ... |
| | 7th | 10 | 29.820 | 29.839 | 87 | 73 | 48 | WSW | 4.0" | ... | ... | ... |
| | | 16 | 29.743 | 29.851 | 86 | 76 | 61 | SSW | 8.2" | ... | ... | ... |
| | 8th | 10 | 29.807 | 29.918 | 85 | 76 | 60 | W | 4.8" | ... | ... | ... |
| | | 16 | 29.710 | 29.810 | 88 | 74 | 49 | SW | 8.7" | ... | ... | ... |
| | 9th | 10 | 29.807 | 29.917 | 86 | 70 | 41 | NW | 8.4" | ... | ... | ... |
| | | 16 | 29.702 | 29.811 | 88 | 64 | 10 | WSW | 9.1" | ... | ... | ... |
| | 10th | 10 | 29.790 | 29.900 | 87 | 68 | 38 | WSW | 4.8" | ... | ... | ... |
| | | 16 | P | P | 88 | 69 | 34 | WSW | 9.5" | ... | ... | ... |
| | 11th | 10 | 29.790 | 29.900 | 86 | 74 | 64 | WSW | 4.4" | ... | ... | ... |
| | | 16 | 29.803 | 29.802 | 88 | 73 | 46 | SW | 9.0" | ... | ... | ... |
| MADRAS. | | | | | | | | | | | | |
| | 5th | 10 | 29.954 | 29.964 | 89 | 72 | 56 | E | 7" | ... | ... | ... |
| | | 16 | 29.813 | 29.873 | 83 | 71 | 62 | E by N | 3" | ... | ... | ... |
| | 6th | 10 | 29.975 | 29.985 | 83 | 74 | 63 | E | 6" | ... | ... | ... |
| | | 16 | 29.801 | 29.861 | 83 | 76 | 67 | E | 8" | ... | ... | ... |
| | 7th | 10 | 29.964 | 29.964 | 85 | 70 | 64 | E | 4" | ... | ... | ... |
| | | 16 | 29.841 | 29.871 | 82 | 73 | 63 | E | 6" | ... | ... | ... |
| | 8th | 10 | 29.943 | 29.973 | 80 | 74 | 68 | ESE | 3" | ... | ... | ... |
| | | 16 | 29.826 | 29.856 | 86 | 76 | 61 | E | 7" | ... | ... | ... |
| | 9th | 10 | 29.921 | 29.934 | 84 | 76 | 64 | ESE | 5" | ... | ... | ... |
| | | 16 | 29.817 | 29.847 | 85 | 75 | 60 | ESE | 7" | ... | ... | ... |
| | 10th | 10 | 29.917 | 29.947 | 84 | 74 | 60 | SE | 6" | ... | ... | ... |
| | | 16 | 29.818 | 29.848 | 85 | 74 | 67 | E by S | 7" | ... | ... | ... |
| | 11th | 10 | 29.904 | 29.966 | 84 | 76 | 64 | SE | 6" | ... | ... | ... |
| | | 16 | 29.819 | 29.848 | 84 | 79 | 63 | SE | 7" | ... | ... | ... |
| CUTTACK. | | | | | | | | | | | | |
| | 5th | 10 | 29.916 | 29.990 | 79 | 66 | 47 | W | 7.6" | ... | ... | ... |
| | | 16 | 29.796 | 29.848 | 87 | 65 | 35 | S | 7.0" | ... | ... | ... |
| | 6th | 10 | 29.949 | 29.939 | 78 | 67 | 53 | E by S | 5.6" | ... | ... | ... |
| | | 16 | 29.790 | 29.608 | 86 | 66 | 37 | S | 11.5" | ... | ... | ... |
| | 7th | 10 | 29.919 | 29.939 | 76 | 65 | 48 | W by S | 7.3" | ... | ... | ... |
| | | 16 | 29.793 | 29.843 | 88 | 66 | 23 | W by S | 12.8" | ... | ... | ... |
| | 8th | 10 | 29.890 | 29.963 | 80 | 67 | 47 | S | 6.4" | ... | ... | ... |
| | | 16 | 29.760 | 29.832 | 88 | 70 | 46 | SE | 16.4" | ... | ... | ... |
| | 9th | 10 | 29.906 | 29.980 | 83 | 70 | 49 | N | 10.3" | ... | ... | ... |
| | | 16 | 29.744 | 29.826 | 89 | 69 | 39 | E | 14.6" | ... | ... | ... |
| | 10th | 10 | 29.893 | 29.976 | 80 | 72 | 60 | SE | 4.9" | ... | ... | ... |
| | | 16 | 29.795 | 29.819 | 80 | 68 | 27 | NW | 18.8" | ... | ... | ... |
| | 11th | 10 | 29.681 | 29.934 | 81 | 74 | 70 | W by N | 10.9" | ... | ... | ... |
| | | 16 | 29.704 | 29.785 | 92 | 73 | 37 | NW | 12.6" | ... | ... | ... |
| AKHAR. | | | | | | | | | | | | |
| | 5th | 10 | 29.921 | 29.940 | 75 | 66 | 59 | NE | 1 | ... | ... | ... |
| | | 16 | 29.815 | 29.860 | 89 | 73 | 61 | NW | 1 | ... | ... | ... |
| | 6th | 10 | 29.911 | 29.970 | 70 | 67 | 60 | NNE | 1 | ... | ... | ... |
| | | 16 | 29.817 | 29.869 | 85 | 76 | 64 | NNE | 1 | ... | ... | ... |
| | 7th | 10 | 29.898 | 29.953 | 81 | 76 | 78 | NNE | 1 | ... | ... | ... |
| | | 16 | 29.787 | 29.862 | 80 | 69 | 82 | NW | 1 | ... | ... | ... |
| | 8th | 10 | 29.911 | 29.926 | 76 | 70 | 63 | NNE | 1 | ... | ... | ... |
| | | 16 | 29.795 | 29.810 | 86 | 77 | 64 | NNE | 1 | ... | ... | ... |
| | 9th | 10 | 29.913 | 29.916 | 79 | 74 | 77 | NNE | 1 | ... | ... | ... |
| | | 16 | 29.780 | 29.795 | 82 | 69 | 76 | NW | 1 | ... | ... | ... |
| | 10th | 10 | 29.901 | 29.919 | 83 | 78 | 60 | NNE | 1 | ... | ... | ... |
| | | 16 | 29.778 | 29.799 | 85 | 71 | 47 | NNE | 3 | ... | ... | ... |
| | 11th | 10 | 29.911 | 29.926 | 80 | 69 | 51 | NW | 1 | ... | ... | ... |
| | | 16 | 29.798 | 29.801 | 86 | 68 | 53 | NNE | 1 | ... | ... | ... |

* Velocity of wind in miles per hour.

CALCUTTA,
The 12th March 1870.HENRY F. BLANFORD,
Meteorological Reporter to the Govt. of Bengal.

Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

| Circuit. | STATIONS. | Rain from 21st to 27th Feb. 1870. | Rain from 28th Feb. to 6th March 1870. | RAIN FROM 1st JANUARY 1870. | | REMARKS. |
|----------------|----------------------------|-----------------------------------|--|-----------------------------|-----------------|--|
| | | | | Inch. | Up to date. | |
| SOUTH-WESTERN. | Pooree ... | Nil | Not received | Nil | 27th Feb. 1870. | |
| | False Point ... | Not received | ditto | ditto | 20th Feb. 1870. | |
| | Cuttack { Telegraph Office | Nil | Nil | 1.00 | 6th March 1870. | |
| | { Jail ... | ditto | ditto | 1.06 | ditto. | |
| | Bamulpore ... | ditto | Not received | 3.30 | 27th Feb. 1870. | |
| WESTERN. | Balasore ... | ditto | Nil | 1.18 | 6th March 1870. | |
| | Midnapore ... | Nil | Nil | 0.90 | 6th March 1870. | |
| | Bansoorah ... | ditto | ditto | 0.85 | ditto. | |
| | Chyabassa ... | Not received | Not received | 1.50 | 20th Feb. 1870. | |
| | Purulia ... | Nil | Nil | 1.22 | 6th March 1870. | |
| CENTRAL. | Bardwan ... | ditto | ditto | 0.90 | ditto. | |
| | Ranoojungo ... | ditto | ditto | 0.15 | ditto. | |
| | Soorea ... | Not received | Not received | Nil | 20th Jan. 1870. | |
| | Deoghur ... | Nil | Nil | 0.40 | 6th March 1870. | |
| | Burkes ... | Not received | Not received | 0.46 | 6th Feb. 1870. | Not received 8rd to 16th Jan. |
| NORTH-WESTERN. | Huzareobaugh ... | Nil | Nil | 0.28 | 6th March 1870. | Not received 14th to 20th Feb. |
| | Saugor Island ... | Nil | Nil | Nil | 6th March 1870. | |
| | Contai ... | Not received | Not received | ditto | 13th Jan. 1870. | |
| | Calcutta ... | Nil | Nil | 0.77 | 6th March 1870. | |
| | Howrah ... | ditto | ditto | 1.42 | ditto. | |
| NORTH-EASTERN. | Hooghly { Jail | ditto | ditto | 1.00 | ditto. | |
| | { College ... | Not received | Not received | ..... | 6th March 1870. | |
| | Jagannath ... | Nil | Nil | 0.20 | ditto. | Not received 1st to 16th Jan. |
| | Kishanpur ... | ditto | ditto | 0.16 | ditto. | Not received 1st Jan. to 6th Feb. |
| | Ranaghat ... | ditto | ditto | Nil | ditto. | Not received 1st to 9th Jan. |
| SOUTH-EASTERN. | Dangong ... | ditto | ditto | 0.30 | ditto. | Not received 1st Jan. to 6th Feb. |
| | Meharpore ... | ditto | ditto | Nil | ditto. | Not received 1st Jan. to 6th Feb. |
| | Choudangah ... | ditto | ditto | ditto | ditto. | Not received 1st Jan. to 6th Feb. |
| | Berhampore ... | ditto | Not received | ditto | 27th Feb. 1870. | |
| | Burrowpore ... | ditto | Nil | ditto | 6th March 1870. | Not received 7th to 13th Feb. |
| SOUTH-WESTERN. | Burrisaul ... | ditto | ditto | ditto | ditto. | |
| | Bhangulpore ... | Nil | Nil | 0.50 | 6th March 1870. | Not received 24th to 30th Jan. |
| | Manghyr ... | ditto | ditto | 0.18 | ditto. | |
| | Patna ... | ditto | ditto | 0.01 | ditto. | |
| | Arrah ... | ditto | ditto | Nil | ditto. | |
| SOUTH-EASTERN. | Buxar ... | ditto | ditto | 0.15 | ditto. | |
| | Chuprah ... | ditto | ditto | Nil | ditto. | |
| | Champaran ... | ditto | ditto | ditto | ditto. | Not received 8rd to 16th Jan. |
| | Benares ... | ditto | ditto | 0.05 | ditto. | |
| SOUTH-EASTERN. | Hampore Beaulah ... | Nil | Nil | Nil | 6th March 1870. | |
| | Patna ... | ditto | ditto | ditto | ditto. | |
| | Maldah ... | Not received | ditto | ditto | ditto. | Not received 21st to 27th Feb. |
| | Bogra ... | Nil | ditto | ditto | ditto. | Not received 1st to 9th Jan. |
| | Dinapore ... | ditto | ditto | 1.20 | ditto. | Not received 14th to 20th Feb. |
| SOUTH-EASTERN. | Rangpore ... | Not received | ditto | Nil | ditto. | Not received 21st to 27th Feb. |
| | Jalpigora ... | Nil | Not received | ditto | 27th Feb. 1870. | |
| | Buxa ... | Not received | ditto | ..... | ..... |  |
| | Darjeeling ... | Nil | Nil | 1.21 | 6th March 1870. | |
| | Gowalparah ... | Nil | Nil | 0.15 | 6th March 1870. | |
| SOUTH-EASTERN. | Gourbatty ... | ditto | Not received | 0.30 | 27th Feb. 1870. | |
| | Shillong ... | ditto | ditto | Nil | ditto. | |
| | Nowgong ... | ditto | ditto | 0.70 | ditto. | Not received 1st Jan. to 13th Feb. |
| | Tezporo ... | ditto | ditto | 1.13 | ditto. | |
| | Wholebangan ... | ditto | ditto | 1.50 | ditto. | |
| SOUTH-EASTERN. | Seshaugur ... | ditto | ditto | 1.30 | ditto. | |
| | Debraugur ... | ditto | ditto | 8.55 | ditto. | Not received 1st to 9th Jan. |
| | Samnagoodring ... | ditto | ditto | 0.25 | ditto. | Not received 1st and 2nd Jan. |
| | Cherra Poonjee ... | ditto | ditto | ..... | ..... |  |
| | Dacca ... | Nil | Nil | Nil | 6th March 1870. | Not received 10th to 16th Jan. and 14th to 20th Feb. |
| SOUTH-EASTERN. | Mymensing ... | ditto | ditto | 0.05 | ditto. | |
| | Sylhet ... | Not received | Not received | 0.80 | 20th Feb. 1870. | |
| | Cumbar ... | Nil | ditto | 0.30 | 27th Feb. 1870. | |
| | Acnakhall Hyalakandy ... | ditto | ditto | 0.83 | ditto. | |
| | Tipperah ... | ditto | Nil | 0.10 | 6th March 1870. | |
| SOUTH-EASTERN. | Nankhily ... | ditto | ditto | Nil | ditto. | |
| | Chitta (Telegraph Office | ditto | 0.10 | 0.10 | ditto. | |
| | gong { Jail ... | 0.18 | Nil | 0.18 | ditto. | |
| | Rangamata Hill ... | 1.00 | Not received | 1.00 | 27th Feb. 1870. | |
| | Akyal ... | Nil | Nil | Nil | 6th March 1870. | |

CALCUTTA.
The 12th March 1870.

HENRY F. BLANFORD,
Meteorological Reporter to the Govt. of Bengal.

Abstract of Observations as received in the Meteorological Reporter's Office, Calcutta.

FOR THE MONTH OF DECEMBER, 1869.

N. B.—The Barometric data are reduced for temperature, and not for height above sea level.

| STATIONS. | BAROMETRE. | | | | THERMOMETER. | | | | HUMIDITY. | | | | RAIN. | |
|-------------|-------------------------|----------|-----------|-----------|--------------|----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|--------------|
| | MEAN OF | | | | MEAN OF | | | | MEAN OF | | | | MEAS OF | |
| | Mean. | 4 hours. | 10 hours. | 22 hours. | Mean. | 4 hours. | 10 hours. | 22 hours. | Mean. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Inches. |
| | Height above sea level. | Max. | Min. | Day. | Max. | Min. | Day. | Min. | Day. | Max. | Min. | Day. | Max. | No. of days. |
| | Feet. | Max. | Min. | Day. | Max. | Min. | Day. | Min. | Day. | Max. | Min. | Day. | Max. | No. of days. |
| Port Blair | 218 | 29.830 | 29.733 | 29.836 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Madras | 29 | 29.818 | 29.801 | 29.836 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Ayub | 16 | 29.846 | 29.846 | 29.819 | 29.836 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Palle Patat | 18 | 29.861 | 29.861 | 29.818 | 29.836 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Chitach | 80 | 29.871 | 29.853 | 29.836 | 29.836 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Chittagong | 178 | 29.892 | 29.894 | 29.810 | 29.836 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Calcutta | 26 | 29.899 | 29.899 | 29.810 | 29.836 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Jaore | 35 | 29.901 | 29.901 | 29.810 | 29.836 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Decca | 73 | 29.944 | 29.944 | 29.810 | 29.836 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Cachar | 27 | 29.958 | 29.958 | 29.810 | 29.836 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Raistebagh | 80 | 29.959 | 29.959 | 29.810 | 29.836 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Bombay | 171 | 29.944 | 29.944 | 29.810 | 29.836 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Puna | 150 | 29.857 | 29.847 | 29.810 | 29.836 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Monghyr | 602 | 29.847 | 29.847 | 29.810 | 29.836 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Darjeeling | 481 | 29.817 | 29.817 | 29.810 | 29.836 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Gowalparah | 481 | 29.817 | 29.817 | 29.810 | 29.836 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Shillong | 481 | 29.817 | 29.817 | 29.810 | 29.836 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Bombay | 26 | 29.899 | 29.899 | 29.810 | 29.836 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Bombay | 26 | 29.899 | 29.899 | 29.810 | 29.836 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Bombay | 26 | 29.899 | 29.899 | 29.810 | 29.836 | ... | ... | ... | ... | ... | ... | ... | ... | ... |

No correction for index error has been applied to the Barometre barometric readings.

CALCUTTA.

| | | | | | | | |
|--------------------------------------|--------|------------------------------|--------|---------------------------|----|---------------------------|------|
| Mean barometric pressure of 10 years | 29.829 | Mean temperature of 10 years | 87.3 | Mean humidity of 10 years | 72 | Mean rainfall of 10 years | 0.10 |
| Ratio date of 1860 | 28.983 | Ratio date of 1860 | 88.7 | Ratio date of 1860 | 67 | Actual fall of 1869 | Nil |
| Defect in 1869 | -0.033 | Excess in 1869 | -0.033 | Defect in 1869 | 9 | Defect in 1869 | 0.10 |

CALCUTTA, }
The 11th March 1870.
HENRY F. BLANFORD,
Meteorological Reporter to the Govt. of Bengal.

Mean Pressures and Temperatures of the preceding Table reduced to sea level, with mean Wind directions.

| STATIONS. | Mean Barometric pressure reduced to sea level. | Mean Temperature reduced to sea level. | Proportional prevalence Max=62. | Mean direction. |
|---------------|--|--|---------------------------------|-----------------|
| Port Blair | 29.704 | 77.0 | 48 | N 47° E |
| Madras | 29.919 | ..... | 49 | N 23° E |
| Akyul | 29.985 | 73.7 | 18 | N 20° E |
| Paise Point | 30.074 | 71.9 | 40 | N 89° E |
| Cuttack | 30.065 | 70.3 | 31 | N 4° E |
| Baugor Island | 30.019 | 69.7 | 37 | N 34° E |
| Chittagong | 30.011 | 69.2 | 44 | N 23° W |
| Calcutta | 30.015 | 68.7 | 40 | N 24° W |
| Jessore | 29.993 | 64.9 | 40 | N |
| Dacca | 30.008 | 67.7 | 24 | N 45° W |
| Cachar | 30.023 | 65.6 | 63 | S 56° E |
| Hazareelaugh | 30.024 | 67.1 | 33 | N 30° W |
| Be-hampore | 30.013 | 67.8 | 44 | N 29° W |
| Gya | ..... | ..... | 31 | N 71° W |
| Palua | 30.027 | 62.3 | 39 | N 71° W |
| Monghyr | 30.016 | 64.3 | 39 | S 66° W |
| Darjeeling | 30.003 | 64.6 | 13 | S 13° E |
| Gowalpara | 30.011 | 65.7 | 41 | S 89° E |
| Shillong | 30.067 | 65.0 | 7 | N 30° E |
| Benares | 30.076 | 61.2 | 8 | N 21° W |
| Moorkes | ..... | ..... | ..... | ..... |

NOTE.

Barometric Pressure.—The pressures in column 2 of the above Table for all stations below 500 feet are reduced from those given in column 3 of the Table on the previous page by adding the weight of a column of air of the temperature given in column 17. For stations of above 500 feet elevation, the reduction is made by Dippe's Table as given in Guyot's Meteorological and Physical "Tables."

Temperatures.—The temperatures in column 3 are deduced from those in column 17, on the preceding page, by adding 1° Fahr. for every 350 feet.

Wind Direction.—The mean wind direction and its comparative prevalence are calculated from the whole number of wind observations recorded during the month, an equal value 2) being assigned to each day's observations, so that the maximum (exclusive prevalence of one wind) would be 62. The mean direction is calculated in the usual way by the sines and cosines of the compass points.

The above being all comparable, afford the data for constructing a meteorological chart for the month, which shall shew the isobaric and isothermal lines, and the resultant wind directions, which last may be represented by arrows of varying length proportioned to the prevalence of the wind. To these may be added the rainfall from the previous Tables.

HENRY F. BLANFORD,

Meteorological Reporter to the Government of Bengal.

Results of the Meteorological Observations taken at the Surveyor-General's Office, Calcutta, from 8th to 14th March 1870..

| MONTH. | Date. | Mean reduced Barometer. | THERMOMETER. | | Max. Solar radiation, Thermometer. | Mean Dry Bulb. | Mean Wet Bulb. | Computed Mean Dew-point. | Mean Degree of Humidity. | WIND. | | | Rain. | GENERAL REMARKS. |
|----------|-------|-------------------------|------------------|-----------------|------------------------------------|----------------|----------------|--------------------------|--------------------------|-----------------------|----------------|-----------------|-------|---|
| | | | Highest Reading. | Lowest Reading. | | | | | | Prevailing direction. | Max. pressure. | Daily velocity. | | |
| March... | 8th | 29.845 | 90.0 | 72.3 | 124.5 | 80.5 | 68.0 | 60.2 | 0.52 | W by S, SSW & NNW | ... | 160.5 | ... | Clear & fair. |
| | 9th | 849 | 89.5 | 69.4 | 123.7 | 79.1 | 66.8 | 55.2 | .51 | WNW, W by N & W by S | ... | 116.0 | ... | Clear & thin cirri. Slightly foggy at 8 & 9 p.m. |
| | 10th | 851 | 92.0 | 68.0 | 125.0 | 79.2 | 67.7 | 59.5 | .53 | S by W, SSW & WSW | ... | 138.0 | ... | Clear & scattered cirri. |
| | 11th | 815 | 91.5 | 70.0 | 126.4 | 80.0 | 68.6 | 60.3 | .53 | SSW & W by S | ... | 122.3 | ... | Clear and cirri. Slightly foggy at 8 & 9 p.m. |
| | 12th | 819 | 85.5 | 79.5 | 120.0 | 77.5 | 70.5 | 61.5 | .49 | SW & SSW | 2.4 | 144.7 | 0.03 | Overcast & clouds of different kinds. Brisk wind between 3 & 4 p.m. Lightning to SSE at 7 p.m. Light rain at 7 1/2 a.m. & at 2 1/2, 4, & 8 1/2 p.m. |
| | 13th | 792 | 90.0 | 87.5 | 125.5 | 75.2 | 68.0 | 62.3 | .51 | SW, SSW & S by W | 5.4 | ... | ... | Cirri & clouds of different kinds. High wind between 5 & 6 p.m. Thunder, lightning & light rain at 4 1/2 & 6 p.m. |
| | 14th | 777 | 91.2 | 70.0 | 128.7 | 79.7 | 71.5 | 65.4 | .53 | S, SW & W | 0.8 | 397.0* | ... | Chiefly clear. |

* 2 days' velocity.

The mean Barometer, as likewise the Dry and Wet Bulb Thermometer means, are derived from the twenty-four hourly observations made during the day.

The Dew-point is computed with the Greenwich constants.—The figures in column ten represent the humidity of the air, the complete saturation of which being taken at unity.—The receiver of the lower rain gauge is 1 1/2 feet, and that of the Anemometer 70 feet 10 inches above the level of the ground.—The velocity of wind, as indicated by Robinson's Anemometer, is registered from noon to noon.

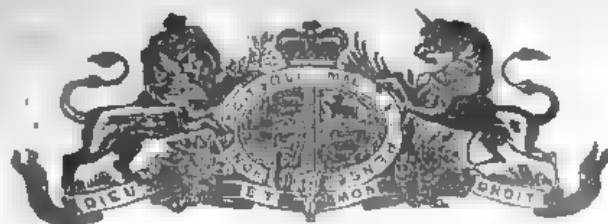
| | | |
|---|---------------------|---------|
| The extreme variation of temperature during the past seven days | ... | 21.5 |
| The max. temperature during the past seven days | ... | 92.0 |
| The max. temperature during the corresponding period of the past year | ... | 89.8 |
| The mean humidity during the past seven days | ... | 0.58 |
| The mean humidity during the corresponding period of the past year | ... | 0.76 |
| | | Inches. |
| The total fall of rain from 8th to 14th | by lower rain gauge | 0.03 |
| | by Anemometer gauge | Nil |
| Ditto ditto, average of sixteen previous years | ... | 0.17 |
| Ditto ditto, between the 1st January and the 14th current | ... | 0.80 |
| Ditto ditto ditto, average of 16 years... | ... | 2.03 |

The 15th March 1870.

RADHANATH SEN,
In temporary charge of the Observatory.

No. 12

of 1870



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, MARCH 23, 1870.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE may receive the SUPPLEMENT, separately, on payment of six Rupees per annum if delivered in Calcutta, or twelve Rupees if sent by Post.

Half-yearly Statement of the Mofussil Police Superannuation Fund, from April to September 1869.

| | RECEIPTS. | | | CHARGES. | | | Balance on the 30th September 1869. |
|--|--|--|---------------|------------|--------------------------------------|------------|-------------------------------------|
| | Deductions from pay abstract and other receipts. | Interest on treasury notes of this fund. | Total. | Refunds. | Pensions and gratuities. | Total. | |
| | Rs. As. P. | Rs. As. P. | Rs. As. P. | Rs. As. P. | Rs. As. P. | Rs. As. P. | Rs. As. P. |
| Balance on the 31st March 1869 ... | ..... | ..... | 504,978 11 7 | ..... | ..... | ..... | ..... |
| Add interest on net balance on the 31st March 1869 ... | ..... | ..... | 15,012 13 0 | ..... | ..... | ..... | ..... |
| April 1869 ... | 8,727 11 8 | 845 0 0 | 9,572 11 3 | ..... | G. 48 0 0 P. 07 8 5 | 100 3 8 | ..... |
| " .. | 8,157 9 10 | 835 0 0 | 8,992 9 10 | ..... | G. 118 0 0 P. 8 12 0 | 126 12 0 | ..... |
| June .. | 8,141 12 11 | 326 0 0 | 8,466 12 11 | 123 9 0 | P. 01 12 0 G. 40 0 0 | 265 5 0 | ..... |
| July .. | 7,992 14 4 | 272 8 0 | 8,264 14 4 | 31 9 8 | P. 15 12 0 G. 224 0 0 C. 3 8 0 | 275 13 6 | ..... |
| August .. | 8,442 7 8 | 287 8 0 | 8,729 15 8 | 0 2 0 | P. 104 8 8 G. 140 0 0 | 244 11 0 | ..... |
| September .. | 8,329 13 11 | 843 0 0 | 9,172 13 11 | 2 2 0 | 41 14 10 | 43 0 10 | ..... |
| Total ... | 48,621 5 11 | 2,357 8 0 | 5,018,906 2 0 | 160 7 0 | 897 7 4 | 1,067 14 4 | 5,019,907 3 6 |

FORT WILLIAM,
The 2nd March 1870. }

R. TAYLOR,
Deputy Accountant-General, Bengal.

A

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY MAIN LINE.

Approximate Return of Traffic for Week ended 6th March 1870 on 1,131 miles open.

| | COACHING TRAFFIC. | | | | MERCHANDISE AND MINERAL TRAFFIC. | | | | Total Traffic Receipts. |
|---|-----------------------|--------------------|---------------|--|----------------------------------|---------------|---------------|--|-------------------------|
| | Number of Passengers. | Coaching Receipts. | | | Weight carried. | Receipts. | | | |
| | | Rs. As. P. | £ s. d. | | Mds. Grs. | Rs. As. P. | £ s. d. | | £ s. d. |
| Total Traffic for the week ... | 1,03,122 | 1,70,545 3 0 | 15,000 6 2 | | 7,53,250 0 | 3,92,075 0 0 | 35,944 4 2 | | 51,478 10 2 |
| Or per mile of Railway ... | | 159 12 8 | 13 10 5 | | | 340 10 7 | 31 15 7 | | 49 12 8 |
| For previous 8 weeks of half-year... | 9,05,583 | 18,48,220 0 11 | 1,73,000 17 7 | | 17,43,410 10 | 11,60,223 0 0 | 1,17,187 2 10 | | 1,49,176 0 3 |
| Total for 9 weeks ... | 10,08,711 | 20,54,765 9 11 | 1,88,720 3 0 | | 25,05,075 10 | 14,52,298 6 0 | 1,53,127 7 1 | | 1,41,447 10 10 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... | 1,00,030 | 1,64,590 1 0 | 10,015 10 2 | | 8,70,454 20 | 4,68,400 0 8 | 42,914 10 8 | | 50,500 10 7 |
| Per mile of Railway corresponding week of previous year ... | | 103 2 7 | 14 10 2 | | | 414 3 8 | 37 19 8 | | 23 18 7 |
| Total to corresponding date of previous year ... | 9,52,364 | 16,04,800 0 7 | 1,47,115 6 0 | | 70,07,965 30 | 39,10,430 0 1 | 3,89,011 7 11 | | 3,90,120 13 8 |

EAST INDIAN RAILWAY JUBBULPORE LINE.

Approximate Return of Traffic for Week ended 6th March 1870 on 223 miles open.

| | | Rs. As. P. | £ s. d. | | Mds. Grs. | Rs. As. P. | £ s. d. | | £ s. d. |
|---|--------|---------------|-------------|--|-------------|---------------|-------------|--|-------------|
| Total Traffic for the week ... | 3,059 | 12,471 5 5 | 1,190 10 10 | | 45,008 10 | 19,008 8 0 | 1,103 9 3 | | 2,702 13 3 |
| Or per mile of Railway ... | | 55 11 11 | 5 2 2 | | | 85 14 5 | 5 4 4 | | 10 6 6 |
| For previous 8 weeks of half-year... | 51,000 | 1,74,015 7 10 | 15,951 8 5 | | 3,80,803 34 | 17,040 14 3 | 8,595 8 3 | | 14,840 16 8 |
| Total for 9 weeks ... | 54,159 | 1,86,446 13 3 | 17,000 10 3 | | 4,26,855 0 | 1,60,720 4 3 | 10,044 10 6 | | 27,140 0 9 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... | 2,990 | 5,075 3 7 | 731 2 3 | | 43,921 0 | 12,236 8 5 | 1,131 18 11 | | 1,833 4 2 |
| Per mile of Railway corresponding week of previous year ... | | 22 12 3 | 3 5 7 | | | 54 14 2 | 5 0 7 | | 8 6 8 |
| Total to corresponding date of previous year ... | 33,282 | 1,14,037 7 2 | 10,445 3 4 | | 5,03,354 20 | 1,42,235 10 8 | 13,038 5 4 | | 23,435 10 8 |

EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for Week ended 5th March 1870 on 113½ miles open.

| | | Rs. As. P. | £ s. d. | | Mds. Grs. | Rs. As. P. | £ s. d. | | £ s. d. |
|---|----------|---------------|-------------|--|-------------|--------------|-------------|--|-------------|
| Total Traffic for the week ... | 25,275 | 15,037 1 3 | 1,304 13 0 | | 1,00,202 8 | 20,049 15 11 | 1,820 8 1 | | 1,300 6 1 |
| Or per mile of Railway ... | | 133 4 11 | 12 4 5 | | 885 27 | 184 15 0 | 16 10 2 | | 20 3 7 |
| For previous 8 weeks of half-year... | 2,50,890 | 1,53,791 14 8 | 14,033 8 0 | | 6,54,080 0 | 1,27,783 8 3 | 11,713 0 8 | | 23,740 17 3 |
| Total for 9 weeks ... | 3,51,955 | 1,68,188 16 6 | 15,417 11 5 | | 9,54,663 0 | 1,48,733 1 9 | 13,033 17 4 | | 29,431 5 9 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... | 29,324 | 17,544 8 7 | 1,608 5 0 | | 1,18,403 0 | 21,678 14 3 | 1,900 13 5 | | 1,425 0 5 |
| Per mile of Railway corresponding week of previous year ... | | 154 14 8 | 14 4 0 | | 1,046 20 | 191 6 1 | 17 10 10 | | 5 14 10 |
| Total to corresponding date of previous year ... | 2,45,479 | 1,00,737 15 7 | 14,088 0 4 | | 6,98,053 20 | 1,79,591 0 7 | 16,187 10 8 | | 27,019 7 |

CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

Approximate Return of Traffic for Week ended 6th March 1870 on 28 miles open.

| | | Rs. As. P. | £ s. d. | | Mds. Grs. | Rs. As. P. | £ s. d. | | £ s. d. |
|---|--------|--------------|-----------|--|-------------|------------|-----------|--|-------------|
| Total Traffic for the week ... | 6,023 | 1,201 3 3 | 110 3 2 | | 12,035 18 | 480 0 6 | 42 10 11 | | 157 3 3 |
| Or per mile of Railway ... | | 42 14 6 | 8 10 8 | | 432 0 | 16 11 8 | 1 10 8 | | 5 0 8 |
| For previous 8 weeks of half-year... | 45,400 | 6,808 10 0 | 761 12 5 | | 1,17,353 0 | 4,800 2 3 | 410 0 0 | | 1,291 12 10 |
| Total for 9 weeks ... | 51,423 | 9,509 13 3 | 871 14 7 | | 1,30,471 20 | 5,280 2 9 | 452 0 4 | | 1,354 14 11 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... | 6,202 | 1,316 0 9 | 120 12 9 | | 12,064 1 | 1,072 0 8 | 28 5 5 | | 215 10 |
| Per mile of Railway corresponding week of previous year ... | | 47 0 0 | 4 6 2 | | 914 0 | 38 4 7 | 3 10 3 | | 7 10 |
| Total to corresponding date of previous year ... | 52,479 | 10,993 10 12 | 1,008 0 5 | | 1,30,197 22 | 6,877 4 3 | 338 14 11 | | 1,540 13 |

Meteorological Telegraphic Report for the period 12th to 18th March 1870.

| STATIONS. | Date. | Hour. | Barometer reduced to 32° | Barometer reduced to sea-level. | THERMOMETER. | | Humidity Est. = 100. | WIND. | | Rain. | Weather initials. | Clouds. |
|----------------|-------|-------|--------------------------|---------------------------------|--------------|------|----------------------|------------|-----------|---------|-------------------|-----------|
| | | | | | Dry. | Wet. | | Direction. | Velocity. | | | |
| Calcutta. | | | | | | | | | | | | |
| | Mar. | | Inches. | | ⊖ | ⊖ | | | | Inches. | | |
| | 12th | 10 | 29.864 | 29.882 | 81.6 | 72.0 | 59 | S W | ... | ... | ... | CS |
| | | 10 | 29.830 | 29.848 | 81.6 | 67.0 | 43 | N W | ... | ... | ... | KS |
| | 13th | 10 | 29.869 | 29.900 | 80.0 | 69.0 | 58 | S W | ... | 0.03 | ... | O |
| | | 16 | 29.705 | 29.723 | 87.4 | 73.5 | 44 | S by W | ... | ... | ... | N, CK |
| | 14th | 10 | 29.651 | 29.849 | 82.0 | 72.5 | 61 | W by N | ... | ... | b | ... |
| | | 16 | 29.704 | 29.722 | 81.2 | 72.0 | 39 | W N N | ... | ... | ... | E |
| | 15th | 10 | 29.834 | 29.879 | 81.0 | 77.8 | 71 | S W | ... | ... | b | ... |
| | | 16 | 29.027 | 29.715 | 80.3 | 74.8 | 46 | W by S | ... | ... | ... | K |
| | 16th | 10 | 29.844 | 29.803 | 83.6 | 77.0 | 73 | S S W | ... | ... | ... | C |
| | | 10 | 29.713 | 29.731 | 83.0 | 71.8 | 32 | W by N | ... | ... | ... | C |
| | 17th | 10 | 29.879 | 29.890 | 82.8 | 78.1 | 80 | S S W | ... | ... | ... | S |
| | | 14 | 29.791 | 29.912 | 86.5 | 78.5 | 03 | S S E | ... | ... | ... | ... |
| | 18th | 10 | 29.035 | 29.054 | 79.2 | 67.0 | 81 | W by S | ... | ... | ... | ... |
| | | 16 | 29.918 | 29.938 | 76.8 | 68.5 | 62 | W by S | ... | ... | ... | ... |
| Sateon Island. | | | | | | | | | | | | |
| | 12th | 10 | 29.864 | 29.800 | 84 | 75 | 66 | N W | 1 | ... | ... | C, CE, S |
| | | 16 | 29.806 | 29.830 | 80 | 71 | 02 | N | 3 | ... | ... | ON |
| | 13th | 10 | 29.820 | 29.824 | 80 | 73 | 70 | W | 3 | 0.20 | ... | K |
| | | 16 | 29.752 | 29.748 | 82 | 73 | 70 | W S W | 2 | ... | ... | J, CK |
| | 14th | 10 | 29.875 | 29.841 | 82 | 78 | 82 | W S W | 3 | ... | ... | C |
| | | 16 | 29.787 | 29.743 | 83 | 79 | 83 | S W | 2 | ... | ... | CK |
| | 15th | 10 | 29.880 | 29.892 | 83 | 79 | 83 | W | 1 | ... | ... | O |
| | | 16 | 29.751 | 29.757 | 83 | 79 | 68 | S | 2 | ... | ... | KS |
| | 16th | 10 | 29.830 | 29.862 | 83 | 79 | 83 | W S W | 3 | ... | ... | K |
| | | 16 | 29.735 | 29.741 | 83 | 79 | 83 | S W | 3 | ... | ... | C, CK |
| | 17th | 10 | 29.844 | 29.832 | 82 | 81 | 86 | S W | 1 | ... | ... | N |
| | | 16 | 29.824 | 29.831 | 82 | 80 | 87 | W | 1 | ... | ... | ... |
| | 18th | 10 | 29.023 | 29.029 | 76 | 69 | 68 | N N W | 1 | ... | ... | N |
| | | 16 | 29.030 | 29.036 | 78 | 73 | 77 | W | 1 | ... | ... | ... |
| Chittagong. | | | | | | | | | | | | |
| | 12th | 10 | 29.785 | 29.865 | 87 | 77 | 61 | S S W | 4.1° | ... | ... | K |
| | | 16 | 29.681 | 29.791 | 85 | 79 | 75 | S S W | 8.1° | ... | ... | KS |
| | 13th | 10 | 29.703 | 29.705 | 80 | 72 | 08 | S W | 4.2° | ... | ... | KS |
| | | 16 | 29.691 | 29.791 | 85 | 79 | 61 | S W | 11.6° | ... | ... | K, KS |
| | 14th | 10 | 29.787 | 29.897 | 86 | 75 | 57 | S | 7.4° | ... | ... | K |
| | | 16 | 29.070 | 29.781 | 85 | 75 | 80 | W | 12.5° | ... | ... | K, KS |
| | 15th | 10 | 29.792 | 29.802 | 86 | 78 | 61 | N | 5.6° | ... | ... | O |
| | | 16 | 29.656 | 29.706 | 85 | 75 | 60 | W S W | 9.2° | ... | ... | C |
| | 16th | 10 | 29.782 | 29.803 | 85 | 78 | 64 | S W | 4.6° | ... | ... | K, KS |
| | | 16 | 29.656 | 29.703 | 82 | 76 | 74 | W S W | 16.2° | ... | ... | K, KS |
| | 17th | 10 | 29.818 | 29.829 | 86 | 76 | 81 | S W | 6.8° | ... | ... | K, KS |
| | | 16 | 29.740 | 29.831 | 81 | 75 | 73 | S, S W | 1.3° | ... | ... | K, KN |
| Masul. | | | | | | | | | | | | |
| | 12th | 10 | 29.631 | 29.661 | 84 | 73 | 58 | S by E | 6° | ... | ... | ... |
| | | 16 | 29.797 | 29.827 | 84 | 75 | 64 | S E | 11° | ... | ... | ... |
| | 13th | 10 | 29.604 | 29.934 | 87 | 80 | 72 | S S E | 8° | ... | ... | ... |
| | | 16 | 29.777 | 29.807 | 85 | 75 | 60 | S E | 12° | ... | ... | ... |
| | 14th | 10 | 29.861 | 29.844 | 84 | 74 | 60 | S | 12° | ... | ... | ... |
| | | 16 | 29.743 | 29.773 | 84 | 78 | 67 | S E by E | 16° | ... | ... | ... |
| | 15th | 10 | 29.878 | 29.908 | 85 | 75 | 60 | S by W | 10° | ... | ... | ... |
| | | 16 | 29.741 | 29.771 | 84 | 77 | 71 | S E | 13° | ... | ... | ... |
| | 16th | 10 | 29.891 | 29.921 | 85 | 75 | 60 | ... | 12° | ... | ... | ... |
| | | 16 | 29.770 | 29.800 | 83 | 77 | 75 | S E | 15° | ... | ... | ... |
| | 17th | 10 | 29.920 | 29.950 | 86 | 75 | 57 | S | 16° | ... | ... | ... |
| | | 12 | 29.803 | 29.833 | 84 | 76 | 64 | S E by E | 15° | ... | ... | ... |
| | 18th | 10 | 29.968 | 29.998 | 89 | 74 | 66 | N N W | 9° | ... | ... | ... |
| | | 16 | 29.876 | 29.906 | 86 | 76 | 61 | N N E | 12° | ... | ... | ... |
| Cuttack. | | | | | | | | | | | | |
| | 12th | 10 | 29.853 | 29.855 | 84 | 71 | 50 | N W | 10.1° | ... | ... | C |
| | | 16 | 29.770 | 29.879 | 80 | 69 | 39 | N | 10.1° | ... | ... | C, CS |
| | 13th | 10 | 29.806 | 29.829 | 77 | 71 | 73 | W by S | 19.7° | ... | ... | N, KS |
| | | 16 | 29.734 | 29.816 | 83 | 74 | 63 | S by W | 12.9° | ... | ... | C, KS |
| | 14th | 10 | 29.823 | 29.906 | 89 | 75 | 79 | W | 9.9° | ... | ... | ... |
| | | 16 | 29.670 | 29.752 | 87 | 77 | 61 | N W | 11.6° | ... | ... | C, KS |
| | 15th | 10 | 29.828 | 29.911 | 82 | 77 | 73 | S by E | 8.7° | ... | ... | C, CS, CK |
| | | 16 | 29.661 | 29.743 | 89 | 78 | 63 | S by E | 14.0° | ... | ... | CS, CK |
| | 16th | 10 | 29.804 | 29.898 | 84 | 78 | 75 | S | 7.5° | ... | ... | C |
| | | 16 | 29.643 | 29.724 | 90 | 79 | 59 | S by E | 12.8° | ... | ... | C, CK |
| | 17th | 10 | 29.844 | 29.926 | 84 | 72 | 53 | W | 6.1° | ... | ... | C, S |
| | | 16 | 29.774 | 29.856 | 83 | 72 | 60 | N W | 23.0° | ... | ... | KS, N |
| | 18th | 10 | 29.867 | 29.951 | 74 | 68 | 63 | W | 17.3° | ... | ... | KS |
| | | 16 | 29.871 | 29.954 | 80 | 68 | 61 | N by W | 10.5° | ... | ... | CS, KS |
| Auxis. | | | | | | | | | | | | |
| | 12th | 10 | 29.891 | 29.908 | 80 | 70 | 58 | N E | 1 | ... | ... | ... |
| | | 16 | 29.859 | 29.849 | 83 | 76 | 71 | N E by N | 1 | ... | ... | ... |
| | 13th | 10 | 29.897 | 29.905 | 84 | 70 | 48 | N W | 1 | ... | ... | CS |
| | | 16 | 29.786 | 29.801 | 81 | 73 | 59 | N W | 1 | ... | ... | C, CS |
| | 14th | 10 | 29.946 | 29.981 | 78 | 71 | 69 | N E | 1 | ... | ... | CS, N |
| | | 16 | 29.782 | 29.797 | 84 | 73 | 68 | N E | 1 | ... | ... | C, CS |
| | 15th | 10 | 29.911 | 29.926 | 80 | 72 | 68 | N E | 1 | ... | ... | ... |
| | | 16 | 29.823 | 29.874 | 87 | 80 | 75 | N W | 1 | ... | ... | C, CS, K |
| | 16th | 10 | 29.928 | 29.974 | 77 | 73 | 77 | N E | 1 | ... | ... | ... |
| | | 16 | 29.803 | 29.818 | 82 | 76 | 71 | N W | 3 | ... | ... | ... |
| | 17th | 10 | 29.875 | 29.890 | 82 | 74 | 60 | N W | ... | ... | ... | ... |
| | | 16 | 29.615 | 29.630 | 81 | 75 | 70 | N W | 1 | ... | ... | C, CS |
| | 18th | 10 | 29.789 | 29.804 | 77 | 74 | 82 | N E | 1 | 1.10 | ... | C, K, CK |

* Velocity of wind in miles per hour.

CALCUTTA,
The 19th March 1870.HENRY F. BLANFORD,
Meteorological Reporter to the Govt. of Bengal.

Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

| Circuits. | STATIONS. | Rain from 28th Feb. to 6th Mar. 1870. | Rain from 7th to 13th March 1870. | RAIN FROM 1st JANUARY 1870. | | REMARKS. |
|----------------|----------------------------|---------------------------------------|-----------------------------------|-----------------------------|------------------|--|
| | | | | Rain. | Up to date. | |
| | | Inch. | Inch. | Inch. | | |
| SOUTH-WESTERN. | Pooree ... | Nil | Not received | Nil | 6th March 1870. | |
| | Fatas Point ... | ditto | ditto | ditto | ditto. | |
| | Cuttack { Telegraph Office | ditto | 0.40 | 1.60 | 13th March 1870. | |
| | { Jail | ditto | 0.68 | 1.70 | ditto. | |
| | Bombalpoore ... | ditto | Not received | 3.30 | 6th March 1870. | |
| | Balasore ... | ditto | 0.12 | 1.30 | 13th March 1870. | |
| | Midnapore ... | Nil | Not received | 0.80 | 6th March 1870. | |
| | Bancoorah ... | ditto | Nil | 0.86 | 13th March 1870. | |
| | Chyabassa ... | ditto | 0.16 | 1.40 | ditto. | Not received 21st to 27th Feb. |
| | Purulia ... | ditto | 0.14 | 1.38 | ditto. | |
| WESTERN. | Burdwan ... | ditto | Nil | 0.20 | ditto. | |
| | Banaragunge ... | ditto | ditto | 0.16 | ditto. | |
| | Soanes ... | Not received | Not received | Nil | 30th Jan. 1870. | |
| | Deoghur ... | Nil | ditto | 0.40 | 6th March 1870. | |
| | Barbas ... | Not received | 0.10 | 0.65 | 13th March 1870. | Not received 3rd to 16th Jan. and 7th Feb. to 6th Mar. |
| | Hazareebaugh ... | Nil | Nil | 0.28 | ditto. | Not received 14th to 20th Feb. |
| | Saugor Island ... | Nil | 0.40 | 0.21 | 13th March 1870. | |
| | Cuttack ... | Not received | Not received | Nil | 13th Jan. 1870. | |
| | Calcutta ... | Nil | 0.03 | 0.80 | 13th March 1870. | |
| | Howrah ... | ditto | Nil | 1.42 | ditto. | |
| CENTRAL. | Hooghly { Jail | ditto | 0.10 | 1.10 | ditto. | |
| | { College | Not received | Not received | | ditto. | |
| | Jessore ... | Nil | 0.04 | 0.24 | 13th March 1870. | |
| | Kishanganj ... | ditto | Not received | 0.16 | 6th March 1870. | Not received 1st to 16th Jan. |
| | Rangpur ... | ditto | ditto | Nil | ditto. | Not received 1st Jan. to 6th Feb. |
| | Dongoug ... | ditto | ditto | 0.30 | ditto. | Not received 1st to 9th Jan. |
| | Moharpore ... | ditto | ditto | Nil | ditto. | Not received 1st Jan. to 6th Feb. |
| | Choudangah ... | ditto | ditto | ditto | ditto. | Not received 1st Jan. to 6th Feb. |
| | Barhampore ... | Not received | ditto | ditto | 27th Feb. 1870. | |
| | Ferozepore ... | Nil | Nil | ditto | 13th March 1870. | Not received 7th to 13th Feb. |
| NORTH-WESTERN. | Burmanul ... | ditto | ditto | ditto | ditto. | |
| | Bhaugulpore ... | Nil | Nil | 0.50 | 13th March 1870. | Not received 24th to 30th Jan. |
| | Monghyr ... | ditto | ditto | 0.18 | ditto. | |
| | Patna ... | ditto | ditto | 0.04 | ditto. | |
| | Arrah ... | ditto | ditto | Nil | ditto. | |
| | Buxar ... | ditto | ditto | 0.16 | ditto. | |
| | Chuprah ... | ditto | ditto | Nil | ditto. | |
| | Champuram ... | ditto | Not received | ditto | 6th March 1870. | Not received 3rd to 16th Jan. |
| | Benares ... | ditto | Nil | 0.06 | 13th March 1870. | |
| | Rampore Banulash ... | Nil | Nil | Nil | 13th March 1870. | |
| NORTHERN. | Patna ... | ditto | 0.02 | 0.02 | ditto. | |
| | Maichah ... | ditto | Nil | Nil | ditto. | Not received 21st to 27th Feb. |
| | Bograh ... | ditto | ditto | ditto | ditto. | Not received 1st to 6th Jan. |
| | Dumrahpore ... | ditto | ditto | 1.20 | ditto. | Not received 14th to 20th Feb. |
| | Rangpur ... | ditto | Not received | Nil | 6th March 1870. | Not received 21st to 27th Feb. |
| | Jalpihpore ... | Not received | Nil | ditto | 13th March 1870. | Not received 23th Feb. to 6th March. |
| | Bara ... | ditto | Not received | | | |
| | Darjeeling ... | Nil | 0.02 | 1.53 | 13th March 1870. | |
| | Gawalparah ... | Nil | Not received | 0.16 | 6th March 1870. | |
| | Goorkhaty ... | 0.40 | ditto | 0.70 | ditto. | |
| NORTH-EASTERN. | Shillong ... | 0.30 | ditto | 0.80 | ditto. | |
| | Nongab ... | Nil | ditto | 0.70 | ditto. | Not received 1st Jan. to 13th Feb. |
| | Tazpore ... | 0.20 | ditto | 1.33 | ditto. | |
| | Dholebagana ... | Not received | ditto | 1.50 | 27th Feb. 1870. | |
| | Seohamoor ... | 0.10 | ditto | 1.40 | 6th March 1870. | |
| | Debronghur ... | 0.50 | ditto | 0.06 | ditto. | Not received 1st to 6th Jan. |
| | Sainsoogodding ... | Not received | ditto | 0.25 | 27th Feb. 1870. | Not received 1st and 2nd Jan. |
| | Cherra Poonjee ... | ditto | ditto | | | |
| | Dacca ... | Nil | Nil | Nil | 13th March 1870. | Not received 10th to 16th Jan. and 14th to 20th Feb. |
| | Mymensing ... | ditto | 0.02 | 0.07 | ditto. | |
| EASTERN. | Sylhet ... | Not received | Not received | 0.80 | 27th Feb. 1870. | |
| | Cocher ... | Nil | ditto | 0.00 | 6th March 1870. | |
| | Arenkhail Hylakandy ... | ditto | ditto | 0.83 | ditto. | |
| | Tipsarah ... | ditto | ditto | 0.10 | ditto. | |
| | Nockmully ... | ditto | ditto | Nil | ditto. | |
| | Chitra { Telegraph Office | 0.10 | Nil | 0.10 | 13th March 1870. | |
| | { Jail | Nil | Not received | 0.13 | 6th March 1870. | |
| | Shangamates Hill ... | ditto | ditto | 1.10 | ditto. | |
| | Akyab ... | Nil | Nil | Nil | 13th March 1870. | |
| | | | | | | |

CALCUTTA,
The 19th March 1870.HENRY F. BLANFORD,
Meteorological Reporter to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Surveyor-General's Office, Calcutta, from 1st to 7th March 1870.

| MONTH. | Date. | Mean reduced Barometer. | THERMOMETER. | | Max. Solar radiation. | Mean Dry Bulb. | Mean Wet Bulb. | Computed Mean Dew-point. | Mean degree of humidity. | Wind. | | | Rain. | GENERAL REMARKS. |
|--------|-------|-------------------------|------------------|-----------------|-----------------------|----------------|----------------|--------------------------|--------------------------|-----------------------|----------------|-----------------|--------|--|
| | | | Highest Reading. | Lowest Reading. | | | | | | Prevailing direction. | Max. pressure. | Daily velocity. | | |
| | | Inches. | ° | ° | ° | ° | ° | ° | ° | | lb | Miles. | Inches | |
| March. | 1st | 29.083 | 89.0 | 63.0 | 125.8 | 76.2 | 66.3 | 63.4 | 0.60 | S S W & W S W | ... | 101.7 | ... | Clear. Foggy at 6 A.M. |
| | 2nd | 819 | 89.7 | 68.7 | 128.5 | 79.0 | 69.7 | 63.2 | .60 | S S W | ... | 170.6 | ... | Clear. Slightly foggy at 6 A.M. |
| | 3rd | 831 | 93.0 | 68.9 | 137.2 | 79.3 | 68.6 | 57.7 | .40 | S S W & W N W | ... | 160.0 | ... | Clear & cirri. |
| | 4th | 879 | 91.5 | 63.0 | 129.0 | 79.6 | 67.0 | 58.2 | .50 | W by N & S by W | ... | 121.0 | ... | Clear & cirri. |
| | 5th | 887 | 92.4 | 70.6 | 129.0 | 80.0 | 70.1 | 63.2 | .58 | S W & S S W | ... | 90.0 | ... | Clear. Foggy from 3 to 7 A.M. |
| | 6th | 877 | 91.7 | 69.6 | 124.0 | 79.6 | 71.2 | 63.4 | .63 | W by S, W S W & S S W | ... | 92.6 | ... | Clear & cirri. Slightly foggy from 5 to 7 A.M. |
| | 7th | 850 | 93.0 | 70.6 | 127.5 | 81.2 | 71.4 | 64.5 | .59 | S W, S S W & W S W | ... | 117.9 | ... | Clear & cirri. |

The mean Barometer as likewise the Dry and Wet bulb Thermometer means are derived from the twenty-four hourly observations made during the day.

The Dew-point is computed with the Greenwich constants.—The figures in column ten represent the humidity of the air, the complete saturation of which being taken at unity.—The receiver of the lower rain gauge is $1\frac{1}{2}$ feet, and that of the Anemometer 70 feet 10 inches above the level of the ground.—The velocity of wind, as indicated by Robinson's Anemometer, is registered from noon to noon.

| | | | | |
|---|--------|---|-----------------------|---------|
| The extreme variation of temperature during the past seven days | | | ... | 30.0 |
| The max. temperature during the past seven days | | | ... | 93.0 |
| The max. temperature during the corresponding period of the past year | | | ... | 89.5 |
| The mean humidity during the past seven days | | | ... | 0.57 |
| The mean humidity during the corresponding period of the past year | | | ... | 0.77 |
| | | | | Inches. |
| The total fall of rain from 1st to 7th | | | { by lower rain gauge | Nil |
| | | | { by Anemometer gauge | Nil |
| Ditto | ditto, | average of 16 previous years | ... | 0.51 |
| Ditto | ditto | between the 1st January and the 7th current | ... | 0.77 |
| Ditto | ditto | ditto, average of 16 years... | ... | 1.86 |

RADHANATH SEN,

In temporary charge of the Observatory.

The 8th March 1870.

Results of the Meteorological Observations taken at the Surveyor-General's Office, Calcutta, from 15th to 21st March 1870.

| MONTH. | Date. | Mean reduced Barometer. | THERMOMETER. | | Max. Solar radiation. | Mean Dry Bulb. | Mean Wet Bulb. | Computed Mean Dew-point. | Mean Degree of Humidity. | WIND. | | | Rain. | GENERAL REMARKS. |
|----------|-------|-------------------------|------------------|-----------------|-----------------------|----------------|----------------|--------------------------|--------------------------|-----------------------|----------------|-----------------|--------|---|
| | | | Highest Reading. | Lowest Reading. | | | | | | Prevailing direction. | Max. pressure. | Daily velocity. | | |
| | | Inches. | ° | ° | ° | ° | ° | ° | | | h | Miles. | Inches | |
| March... | 15th | 29.770 | 90.4 | 76.0 | 131.4 | 82.1 | 76.0 | 71.7 | 0.73 | S by W, S S W & S W | ... | 121.0 | ... | Scuds, clear & cumuli. |
| | 16th | 29.765 | 93.0 | 74.5 | 130.8 | 82.3 | 74.9 | 69.7 | .67 | S S W | ... | 120.8 | ... | Clear & cirri. |
| | 17th | 29.826 | 87.2 | 77.2 | 124.6 | 81.3 | 76.3 | 71.9 | .74 | S S W & S by E | 24 | 100.3 | ... | Stratiform & overcast. Brisk wind from S $\frac{1}{2}$ to 10 P.M. |
| | 18th | 29.948 | 77.7 | 70.0 | 114.0 | 73.5 | 67.5 | 63.3 | .72 | W & W by S | ... | 122.4 | ... | Overcast & cirro-cumuli. Drizzled at 7, 9, & 10 A.M. & 4 P.M. |
| | 19th | 29.906 | 88.0 | 70.0 | 122.6 | 78.3 | 69.7 | 63.7 | .63 | S & W by S | ... | 109.6 | ... | Clear, cumuli & cirri. |
| | 20th | 29.904 | 90.0 | 71.5 | 128.8 | 80.7 | 71.2 | 64.5 | .50 | S & W by S | ... | 75.5 | ... | Cirri & clear. |
| | 21st | 29.908 | 93.3 | 74.0 | 131.0 | 82.9 | 72.0 | 64.4 | .55 | W & S | ... | 116.0 | ... | Cirri & clear. |

The mean Barometer, as likewise the Dry and Wet Bulb Thermometer means, are derived from the twenty-four hourly observations made during the day.

The Dew-point is computed with the Greenwich constants.—The figures in column ten represent the humidity of the air, the complete saturation of which being taken at unity.—The receiver of the lower rain gauge is 1 $\frac{1}{4}$ feet, and that of the Anemometer 70 feet 10 inches above the level of the ground.—The velocity of wind, as indicated by Robinson's Anemometer, is registered from noon to noon.

| | | |
|---|-----------------------|---------|
| The extreme variation of temperature during the past seven days | ... | 23.0 |
| The max. temperature during the past seven days | ... | 93.0 |
| The max. temperature during the corresponding period of the past year | ... | 93.4 |
| The mean humidity during the past seven days | ... | 0.66 |
| The mean humidity during the corresponding period of the past year | ... | 0.64 |
| | | Inches. |
| The total fall of rain from 15th to 21st ... | { by lower rain gauge | Nil |
| | { by Anemometer gauge | Nil |
| Ditto ditto, average of sixteen previous years | ... | 0.18 |
| Ditto between the 1st January and the 21st current | ... | 0.80 |
| Ditto ditto ditto, average of 16 years... | ... | 2.21 |

The 22nd March 1870.

GOPEENATH SEN,
In charge of the Observatory.



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, MARCH 30, 1870.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE may receive the SUPPLEMENT, separately, on payment of six Rupees per annum if delivered in Calcutta, or twelve Rupees if sent by Post.

Proceedings of the Council of the Lieutenant-Governor of Bengal for the purpose of making Laws and Regulations.

Saturday, the 19th March 1870.

Present:

HIS HONOR THE LIEUTENANT-GOVERNOR OF BENGAL, *Presiding.*

J. GRAHAM, Esq., *Acting Advocate-General,*
THE HON'BLE ASHLEY EDEN,
A. MONEY, Esq., C.B.,
A. R. THOMPSON, Esq.,
V. H. SCHALOH, Esq.,
BAROO ISSUR CHUNDER GHOSAL,

BAROO CHUNDER MOHUN CHATTERJEE,
T. M. ROBINSON, Esq.,
F. F. WYMAN, Esq.,
AND
BAROO JOTENDRO MOHUN TAGORE.

NEW MEMBER.

MR. GRAHAM took the oath of allegiance and the oath that he would faithfully fulfil the duties of his office.

CALCUTTA PORT IMPROVEMENT.

THE HON'BLE ASHLEY EDEN moved that the report of the select committee on the Bill to provide for the maintenance and improvement of the Port of Calcutta be taken into consideration in order to the settlement of the clauses of the Bill, and that the clauses be considered for settlement in the form recommended by the select committee. He said that before going into the discussion of the Bill, clause by clause, he proposed briefly to run through the Bill, and draw the attention of the council to the principal amendments made by the committee, and give the reasons on which those amendments were based.

As regards the title of the Bill, he would observe that it had been altered so as to accord more nearly with the scope and object of the Bill, the original title being considered too wide in its terms. But he would not go into that point then, as the matter would be brought prominently under consideration when they proceeded to consider the clauses of the Bill.

The first important amendment was in the number of the commissioners to be appointed under Section 2. There seemed to be a strong desire to have seven commissioners independently of the chairman and the vice-chairman: therefore as the Bill stood it provided for the appointment of nine persons, of whom one should be the chairman and another the vice-chairman. The committee had also limited the tenure of office of the commissioners to two years, making them eligible for re-appointment: it seemed expedient that there should be some period fixed at the expiration of which the appointment should lapse.

As regards Section 7, which provided for a specification of the amount of debt at present due from the commissioners to the Secretary of State for India, the select committee had been obliged to leave the schedule untouched, as they were not in a position to fix the exact sum which would be due on account of the works to be taken over by the commissioners. There

seemed to be some doubt as to what the section really meant, and he would therefore explain that the sum referred to was simply the actual cost of the jetties erected under the present Port Improvement Act, and did not refer to any moorings or other works belonging to the port fund.

The committee had introduced a new section, 9, enabling the commissioners to anticipate the payments due to the Secretary of State under the provisions of Schedule B.

From Section 27 the committee had struck out the provision which made the proceedings of the commissioners open to the inspection of the public on payment of a fee of eight annas: it seemed very undesirable to put it into the power of every body to call and make an inspection of the minutes of the commissioners' proceedings, which might lead to great mischief, and a good deal of intriguing and jobbery by contractors and others. If the accounts were published there was no reason whatever for making the commissioners' proceedings public.

The committee had also struck out Section 37 of the original Bill, which compelled the commissioners to record resolutions made by the Lieutenant-Governor, and to adopt such resolutions as their own. The Lieutenant-Governor had already the power of vetoing any resolution of the commissioners under a previous section, and it seemed anomalous to give him the further power of passing an order against the opinion of the commissioners, and that they should then be compelled to adopt the resolution as their own.

The old Sections 38 to 41 had been consolidated into the present Section 35, which provided that no new work should be commenced by the commissioners until a plan and estimate of such work shall have been submitted to the Lieutenant-Governor and sanctioned by him, the further sanction of the Governor General of India in Council being required if the estimated cost of the work exceeded two lakhs of rupees. The section was a new and short one, and the procedure under it was a great deal simpler than under the sections for which it was substituted.

Section 34 of the original Bill, relating to the mode of executing contracts, had also been struck out as unnecessary.

The new Section 39 might, perhaps, cause a misunderstanding if its purport was not explained: it enabled the commissioners to provide steam-tugs and to employ them in towing vessels in the river. It was not intended that the commissioners should start tug vessels in competition with private companies, but it seemed certain that the commissioners must keep tug steamers for their own works, and it would be very unreasonable if the commissioners should not be at liberty, when they had no employment for their steamers, to use them in any remunerative way. The primary object would be the employment of the steamers in connection with the working of the jetties; when not able to employ them in that way, it was only right that they should be able to make a profit from them instead of leaving them idle.

The committee had struck out the proviso to Section 42 of the original Bill as to the total amount of money to be raised by the commissioners. It seemed an anomalous provision in a Bill like the present. It would be absolutely necessary to obtain whatever money was really required for the sanctioned works, and as the money would practically have to be given by the Government, and the entire control would be in the hands of the Government, it seemed unnecessary to limit the amount to be raised.

From Section 51, the select committee had omitted the provision which was contained in Section 53 of the original Bill permitting the landing and embarkation of certain articles free of charge. The committee could see no reason why some small rate should not be levied on all articles which made use of the commissioners' works, which were constructed and kept in repair for the convenience of trade: the articles enumerated in the section, bricks, straw, and market produce, were as well able to pay a toll as any other.

From Section 52, which compelled the commissioners to provide ghâts and bathing places, the committee had struck out that portion of the proviso which compelled the commissioners to provide such sufficient bathing ghâts "as shall be required for the convenience of the public." Under the section as amended the commissioners would be required to provide a ghât for every ghât they took away, but they were not to be compelled to provide an unlimited number of ghâts.

Section 54 was a new section enabling the commissioners to take possession of jetties, piers, and so forth, erected or built without the sanction of the Lieutenant-Governor, below high-water mark within one mile of the limits of the port, if the limits of the port should be extended so as to include the jetty, pier, or other work so made. That seemed rather a strong proceeding at first sight, but any person desiring to erect any such work had only to guard himself by first obtaining permission to undertake the work. The river-bed below high-water mark was the property of the crown, and if persons chose to erect works in the river below high-water mark without due permission, they must suffer for their want of precaution and be treated as trespassers.

Sections 58 to 60 were new, and gave power to the commissioners to require the conservator of the port to order up any ship as it came in to take up a certain position alongside a jetty for unloading. There seemed to be some misapprehension as to the effect of these sections. As the sections stood no ship could be moved after commencing to discharge or take in cargo: the sections would only apply to vessels as they came in, or before they had commenced to load or unload. Section 60 contained the same provisions as regards country boats.